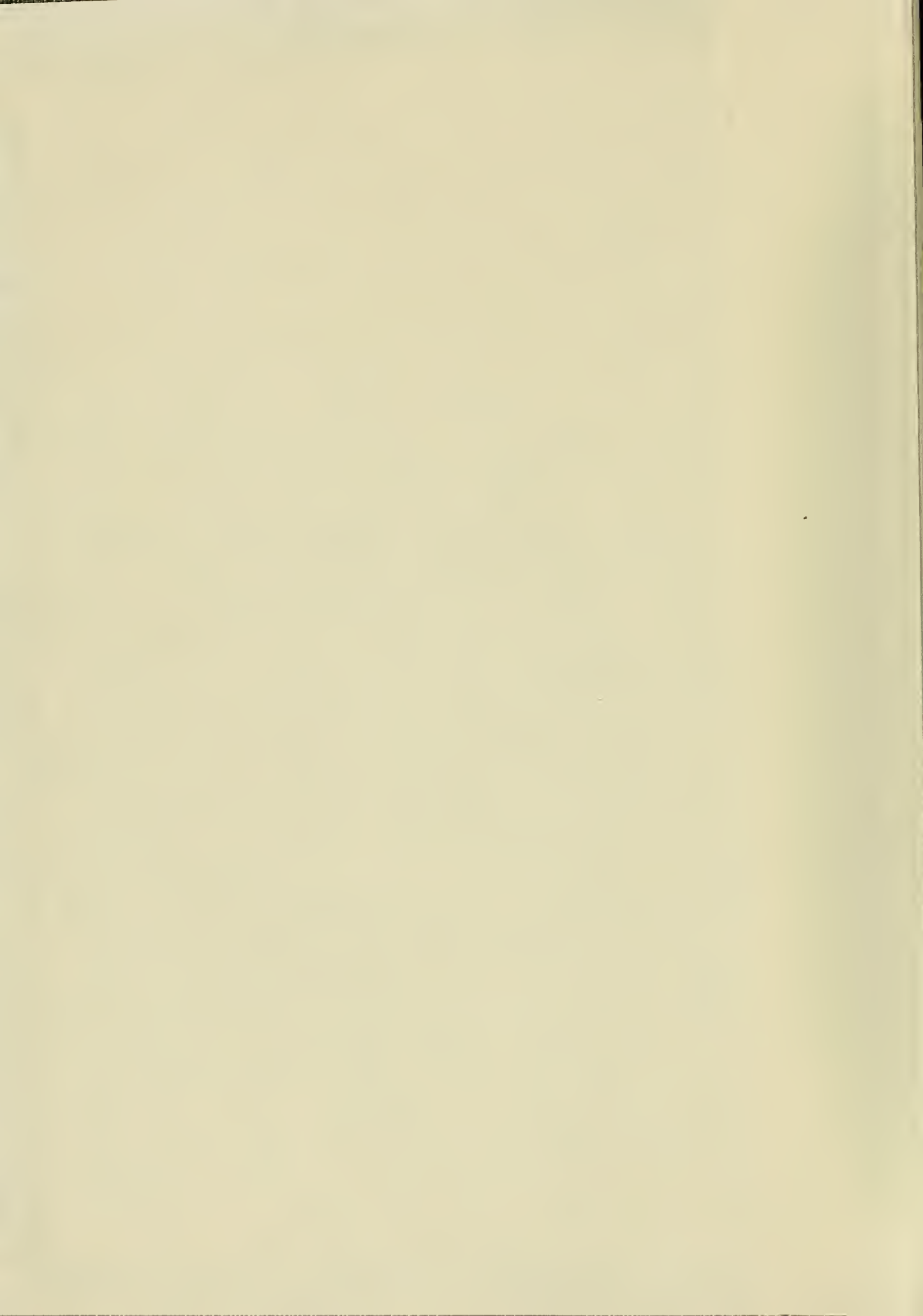


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# Census of Wholesale Trade

WC87-A-40

GEOGRAPHIC AREA SERIES

## Rhode Island



# ACKNOWLEDGMENTS

Many persons participated in the various activities of the 1987 Census of Wholesale Trade.

The overall planning and review of the census operations were performed by the staff of the Office of the Assistant Director for Economic and Agriculture Censuses.

This report was prepared in the Business Division. **Bobby E. Russell**, Assistant Division Chief for Census Programs, was responsible for the overall planning, management, and coordination of the census of wholesale trade. Planning and implementation were under the direction of **John R. Trimble**, Chief, Wholesale Census Branch, with primary staff assistance by **Dennis L. Shoemaker**, **John L. Vignali**, **Steven L. Barron**, **Jack R. Drago**, and **Benjamin T. Stephens**.

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Special acknowledgment is also due the many businesses whose cooperation has contributed to the publication of these data.

If you have any questions concerning the statistics in this report, call (301) 763-5281.

# **1987**

## **Census of Wholesale Trade**

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WC87-A-40

GEOGRAPHIC AREA SERIES

### **Rhode Island**

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Issued September 1989



**U.S. Department of Commerce**  
**Robert A. Mosbacher**, Secretary  
Robert Ortner, Under Secretary  
for Economic Affairs

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# INTRODUCTION

## PURPOSE AND USES OF THE ECONOMIC CENSUSES

The economic censuses are the major source of facts about the structure and functioning of the Nation's economy. They provide essential information for government, business, industry, and the general public.

*Economic censuses furnish an important part of the framework for such composite measures as the gross national product, input-output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions.*

*Policy-making agencies of the Federal Government use the data, especially in monitoring economic activity and providing assistance to business.*

*State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.*

*Trade associations study trends in their own and competing industries, and keep their members informed of market changes.*

*Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.*

## AUTHORITY AND SCOPE

Title 13 of the United States Code (sections 131, 191, and 224) directs the Census Bureau to take the economic censuses every 5 years, covering years ending in 2 and 7. The 1987 Economic Censuses consist of the—

- Census of Retail Trade
- Census of Wholesale Trade
- Census of Service Industries
- Census of Transportation
- Census of Manufactures
- Census of Mineral Industries
- Census of Construction Industries

Special programs also cover enterprise statistics and minority-owned and women-owned businesses. (The 1987 Census of Agriculture and 1987 Census of Governments are conducted separately.) The next economic censuses are scheduled to be taken in 1993 covering the year 1992.

## AVAILABILITY OF THE DATA

The results of each of the economic censuses are available in printed reports, for sale by the U.S. Government Printing Office, and on microfiche, computer tape, compact discs with read-only memory, and flexible diskettes, for sale by the Census Bureau. Order forms for all types of products are available on request from Customer Services, Census Bureau, Washington, DC 20233. A more complete description of publications being issued from this census is on the inside back cover of this document.

Census facts are also widely disseminated by trade associations, business journals, and newspapers. Volumes containing census statistics are available in most major public and college libraries. Finally, State Data Centers in every State and Business and Industry Data Centers in many States also supply economic census statistics.

## WHAT'S NEW IN 1987

Several changes have taken place for the 1987 censuses. Data will be reported on the basis of the newly revised Standard Industrial Classification (SIC) system with selected reports including "bridge tables," linking the old and new classification systems. A new set of metropolitan areas has been adopted, and more detailed information will be available for businesses with no paid employees. For additional information on these changes, review the subsequent text.

## HISTORICAL INFORMATION

The economic censuses have been taken together as an integrated program at 5-year intervals since 1967, and before that for 1963, 1958, and 1954. Prior to that time, the individual censuses were taken separately at varying intervals.

The economic censuses trace their beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for 1840 and subsequent censuses to include mining and some commercial



activities. In 1902, Congress established a permanent Census Bureau and directed that a census of manufactures be taken every 5 years. The 1905 manufactures census was the first time a census was taken apart from the regular every-10-year population census.

The first census of business was taken in 1930, covering 1929. Initially it covered retail and wholesale trade, and construction industries, but it was broadened in 1933 to include some of the service trades.

The 1954 economic censuses were the first to be fully integrated—providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. These were the first censuses to be taken by mail, using lists of firms provided by the administrative records of other federal agencies. Since 1963, administrative records have also been used to provide basic statistics as well for very small firms, reducing or eliminating the need to send them census questionnaires. The Enterprise Statistics Program, which publishes combined data from the economic censuses, was made possible with the implementation of the integrated census program in 1954.

The range of industries covered in the economic censuses has continued to expand. The Census of Construction Industries began on a regular basis in 1967, and the scope of service industries was broadened in 1967, 1977, and 1987. The Census of Transportation began in 1963 as a set of surveys covering travel, transportation of commodities, and trucks. New for 1987 are publications reporting on business establishments engaged in several transportation industries, paralleling the data on establishments in other sectors. This is part of a gradual expansion in coverage of industries previously subjected to government regulation. The Survey of Minority-Owned Business Enterprises was first conducted as a special project in 1969 and was incorporated into the economic censuses in 1972 along with the Survey of Women-Owned Businesses.

Economic censuses have also been taken in Puerto Rico since 1909, in the Virgin Islands and Guam since 1958, and in the Northern Mariana Islands since 1982.

Statistical reports from the 1982 and earlier censuses provide historical figures for the study of long-term time series, and are available in some large libraries. All of the census data published since 1967 are still available for sale on microfiche from the Census Bureau.

## AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

While the censuses provide complete enumerations every 5 years, there are many needs for more frequent data as well. The Census Bureau conducts a number of monthly, quarterly, and annual surveys, the results of which appear in publication series such as *Current Business Reports* (retail and wholesale trade and service industries), the *Annual Survey of Manufactures*, *Current Industrial Reports*, and the *Quarterly Financial Report*. Most of these surveys, while providing more frequent

observations, yield less kind-of-business and geographic detail than the censuses. The *County Business Patterns* program offers annual statistics on the number of establishments, employment, and payroll classified by industry within each county.

## SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1987 Economic Censuses and Related Statistics*. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1987 Economic Censuses*. Contact Customer Services for information on availability.

## CENSUS OF WHOLESALE TRADE

The 1987 Census of Wholesale Trade, part of the 1987 Economic Censuses, covered wholesale trade as defined in the Standard Industrial Classification (SIC) Manual.<sup>1</sup> It included all establishments with one or more paid employees primarily engaged in selling merchandise to retailers; to industrial, commercial, institutional, farm, or professional users; or to other wholesalers. Companies selling products to which they have title, as well as to those acting as agents or brokers in buying merchandise for or selling merchandise to others, are included. The census excluded governmental organizations classified in the covered industries except for wholesale liquor establishments operated by State and local governments.

The basic tabulations in this report do not include data for establishments which are "auxiliary" (primary function is providing a service, such as warehouses) to wholesale establishments with the same organization. Data for auxiliaries are presented in a subsequent report issued as part of the 1987 Enterprise Statistics reports.

Wholesale firms without employees are excluded from the census. In the census of retail trade, the sales of firms with no paid employees are derived from administrative records of other Federal agencies rather than from a direct canvass. These sources proved impractical for wholesale firms without paid employees. In the census of wholesale trade, the sales value is the gross volume of business conducted. Firms which operate wholly or partly on a commission basis must provide both the gross volume of business conducted and commission receipts on census forms. Agents and brokers do not report to other Federal agencies the gross selling value of goods. Moreover, administrative records make no distinction between commission receipts and sales by wholesalers.

Appendix A gives a more detailed explanation of census coverage and methodology.

<sup>1</sup>Standard Industrial Classification Manual: 1987. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 041-001-00314-2.



## CENSUS DISCLOSURE RULES

In accordance with Federal law governing census reports, no data are published that would disclose the operations of an individual establishment or business. However, the number of establishments in a kind-of-business classification is not considered a disclosure, so this information may be released even though other information is withheld.

## GEOGRAPHIC AREAS COVERED

This report series presents data for the following areas:

1. The United States as a whole.
2. Each State and the District of Columbia.
3. Each consolidated metropolitan statistical area (CMSA) and primary metropolitan statistical area (PMSA) defined by the Office of Management and Budget as of June 30, 1987. A CMSA is an area used to facilitate the presentation and analysis of data for large concentrations of metropolitan populations. It includes two or more contiguous PMSA's which have a population of at least 1,000,000<sup>2</sup> and which meet specific criteria of urban character and of social and economic integration.
4. Each metropolitan statistical area (MSA) defined by the Office of Management and Budget as of June 30, 1987. An MSA is an integrated economic and social unit with a population nucleus of at least 50,000 inhabitants.<sup>2</sup> Each MSA consists of one or more counties meeting standards of metropolitan character; in New England, cities and towns rather than counties are the component geographic units.
5. The area within the State outside metropolitan statistical areas.
6. Each county or county equivalent.<sup>3 4</sup>
7. Each municipality of 2,500 inhabitants or more incorporated as a city, borough, village, or town.<sup>2 3</sup> For the economic censuses, census areas and boroughs in Alaska, boroughs in New York, and towns in New York and Wisconsin are not included in this category.
8. Special economic urban areas (SEUA's), which include townships in New Jersey and Pennsylvania and towns in New England with 10,000 inhabitants or more.<sup>2</sup>

<sup>2</sup>According to 1980 Census of Population or subsequent special census.

<sup>3</sup>Those defined as of January 1, 1987.

<sup>4</sup>See appendix F for Alaska, Louisiana, Maryland, Missouri, Montana, Nevada, Virginia, and District of Columbia county equivalents.

## DOLLAR VALUES

All dollar values presented in this report are expressed in current dollars, i.e., 1987 data are expressed in 1987 dollars and 1982 data in 1982 dollars. Consequently, when making comparisons to prior years, users of the data should consider the inflation that has occurred.

## RELIABILITY OF DATA

All data compiled in this report originated from either census questionnaires or administrative records of other Federal agencies and, therefore, are not subject to sampling errors. However, the data are subject to nonsampling errors. Nonsampling errors can be attributed to many sources: inability to identify all cases in the actual universe; definition and classification difficulties; differences in the interpretation of questions; errors in recording or coding the data obtained; and other errors of collection, response, coverage, and estimation for missing or misreported data.

The accuracy of these tabulated data is determined by the joint effects of the various nonsampling errors. No direct measurement of these effects has been obtained except for estimation for missing or misreported data; however, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize the effects of nonsampling errors.

The Bureau of the Census obtains on computer tape limited information extracted from administrative records of other Federal agencies. This information is used in conjunction with other information available to the Census Bureau to develop estimates for nonemployers, small employers, and other establishments for which responses were not received in time for publication. For an indication of the extent that data included in these reports were obtained from the administrative records of other Federal agencies and from estimation, rather than reports directly from respondents, see appendix E. Also, see appendix A for a more detailed explanation of census coverage and methodology.

## SPECIAL TABULATIONS

Special tabulations of data collected in the 1987 Census of Wholesale Trade may be obtained, depending on availability of time and personnel, on diskette, computer tape, or in tabular form. The data will be in summary form and subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies) as are the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact specifications on the type and format of the data to be provided, should be directed to the Chief, Business Division, Bureau of the Census, Washington, DC 20233.

To discuss a special tabulation before submitting specifications, call 301-763-5282.

## ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in the publication:

- Represents zero.
- (D) Withheld to avoid disclosing data for individual companies; data are included in broader kind-of-business totals.

- (IC) Independent city.
- (NA) Not available.
- (NC) Not comparable.
- (X) Not applicable.
- CMSA Consolidated Metropolitan Statistical Area.
- MSA Metropolitan Statistical Area.
- n.e.c. Not elsewhere classified.
- PMSA Primary Metropolitan Statistical Area.
- pt. Part.
- r Revised.
- SIC Standard Industrial Classification.



# Users' Guide for Locating Statistics in This Report by Table Number

Information shown in tables	Table										
	1	2	3	4	5	6	7	8	9	10	11
<b>GEOGRAPHIC AREAS</b>											
The State .....	X	X	X	X						X	X
CMSA's and MSA's in the State .....								X			
PMSA's in the State .....								X			
Area of the State not in any CMSA, PMSA, or MSA .....									X		
Counties in the State .....					X		<sup>1</sup> X				
Places in the State .....					<sup>2</sup> X	<sup>1</sup> X				<sup>2</sup> X	X
<b>DATA ITEMS<sup>3</sup></b>											
Establishments .....	X		<sup>4</sup> X	<sup>4</sup> X	<sup>5</sup> X	<sup>5</sup> X	<sup>5</sup> X	<sup>5</sup> X	<sup>5</sup> X		
Sales .....	X		<sup>4</sup> X	<sup>4</sup> X	<sup>5</sup> X	<sup>5</sup> X	<sup>5</sup> X	<sup>5</sup> X	<sup>5</sup> X	X	X
Annual Payroll .....	X		<sup>4</sup> X	<sup>4</sup> X	<sup>6</sup> X	<sup>6</sup> X	<sup>6</sup> X	<sup>6</sup> X	<sup>6</sup> X		
First quarter payroll .....	X			<sup>4</sup> X							
Paid employees for pay period including March 12, 1987 .....	X		<sup>4</sup> X	<sup>4</sup> X	<sup>6</sup> X	<sup>6</sup> X	<sup>6</sup> X	<sup>6</sup> X	<sup>6</sup> X		
Inventories .....	X			<sup>4</sup> X							
Operating expenses .....	X			<sup>4</sup> X							
1982 to 1987 comparative statistics (sales, payroll) .....			<sup>4</sup> X								
Sales per establishment .....		X									
Sales per employee .....		X									
Annual payroll per employee .....		X									
Annual payroll as a percent of operating expenses .....		X									
Employees per establishment .....		X									
Operating expenses as a percent of sales .....		X									
End-of-year inventories as a percent of sales .....		X									
Counties ranked by volume of sales .....											X
Places ranked by volume of sales .....										<sup>2</sup> X	

<sup>1</sup>Includes areas with 200 wholesale establishments or more.

<sup>2</sup>Includes places with 2,500 inhabitants or more, according to the 1980 Census of Population.

<sup>3</sup>See Explanation of Terms, appendix A.

<sup>4</sup>Based on 1972 Standard Industrial Classification.

<sup>5</sup>Manufacturers' sales branches and offices, and agents, brokers, and commission merchants are combined and displayed as "other types of operation."

<sup>6</sup>Presented for total and merchant wholesalers only.

# Users' Guide for Locating Statistics in the 1987 Census of Wholesale Trade Reports

Report and geographic area	Information shown in reports by kind of business or industry category										
	Number of establishments	Sales (\$1,000)	Payroll (\$1,000)	Number of employees	Inventories (\$1,000)	Operating expenses (\$1,000)	Commodity line sales (\$1,000)	Sales size and employment size <sup>1</sup>	Legal form of organization	Petroleum bulk stations and terminals	Selected topics
<b>GEOGRAPHIC AREA SERIES</b>											
United States .....	X	X	X	X	X	X					
State .....	X	X	X	X	X	X					
CMSA, PMSA, MSA .....	X	X	X	X							
County .....	X	X	X	X							
Place .....	X	X	X	X							
<b>ESTABLISHMENT AND FIRM SIZE (INCLUDING LEGAL FORM OF ORGANIZATION)</b>											
United States .....	X	X	<sup>2</sup> X	<sup>2</sup> X	<sup>2</sup> X	<sup>2</sup> X		X	X		
<b>MEASURES OF VALUE PRODUCED, CAPITAL EXPENDITURES, DEPRECIABLE ASSETS, AND OPERATING EXPENSES</b>											
United States <sup>2</sup> .....		X	X		X	X			X		<sup>3</sup> X
<b>COMMODITY LINE SALES</b>											
United States .....	X	X					X				
State <sup>4</sup> .....	X	X					X				
CMSA <sup>4</sup> .....	X	X					X				
<b>MISCELLANEOUS SUBJECTS</b>											
United States .....	X	X	X	X	X	X				X	<sup>5</sup> X
State .....										X	
County .....										X	

<sup>1</sup>Establishments and firms.

<sup>2</sup>Merchandise wholesalers only.

<sup>3</sup>Value produced, capital expenditures, depreciable assets, and selected operating expenses detail.

<sup>4</sup>Available on microfiche only.

<sup>5</sup>Class of customer, employment by principal activity, detailed type of operation, inventory detail, and commissions of agents and brokers.

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## Rhode Island

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# SUMMARY OF FINDINGS

Data from the 1987 Census of Wholesale Trade show that based on definitions used in 1982 Rhode Island's 1,708 wholesale establishments had sales totaling \$6.0 billion. In 1982, 1,627 wholesalers had sales of \$5.0 billion.

Merchant wholesalers lead the three major type of operation categories in 1987 with 1,494 establishments and sales of \$4.6 billion; followed by manufacturers' sales branches and offices, with 84 establishments and sales of \$1.1 billion; and agents and brokers, with 130 establishments and sales of \$420 million.

Annual payroll of all wholesalers in the State amounted to \$489 million, compared to \$307 million for 1982. In 1987, merchant wholesalers accounted for \$416 million, followed by manufacturers' sales branches and offices with \$59.0 million and agents and brokers with \$14.5 million.

Paid employees engaged in wholesale trade in the State totaled 22,174 as of mid-March 1987 compared to 17,743 in 1982. Merchant wholesalers were the largest employers in 1987, with 19,531 employees; followed by manufacturers' sales branches and offices, with 2,003 employees; and agents and brokers, with 640 employees.

Payroll per employee averaged \$22.0 thousand for all wholesalers; \$21.2 thousand for merchant wholesalers; \$29.5 thousand for manufacturers' sales branches and offices; and \$22.7 thousand for agents and brokers.

Operating expenses as a percent of sales for all wholesalers in the State increased from 13.0 percent in 1982 to 16.8 percent in 1987. The percentage for merchant wholesalers was up from 16.2 percent to 18.9 percent for the

same period, while manufacturers' sales branches and offices were up from 7.5 percent to 11.7 percent, and agents and brokers were up from 6.5 percent to 7.3 percent.

Sales by petroleum bulk stations and terminals in 1987 accounted for 11.8 percent of the State's total sales by all wholesalers, compared to 18.6 percent in 1982. Other leading wholesale kinds-of-business in 1987 were jewelry, watches, precious stones, and precious metals wholesalers, with 6.9 percent, motor vehicle supplies and new parts wholesalers with 3.9 percent and industrial machinery and equipment wholesalers also with 3.9 percent.

Sales per establishment for all wholesalers in 1987 averaged \$3.5 million per establishment, up from \$3.2 million in 1982. Petroleum bulk stations and terminals averaged the highest of \$29.8 million per establishment, followed by beer and ale wholesalers \$12.5 million, wine and distilled alcoholic beverages wholesalers \$9.3 million, and lumber, plywood, millwork, and wood panels wholesalers at \$8.8 million.

Sales per employee for all wholesalers in the State averaged \$272 thousand in 1987. There was a wide variance by kind of business ranging from a high of \$1.5 million for petroleum bulk stations and terminals to a low of \$51.1 thousand for ophthalmic goods wholesalers.

Providence county led all counties in the State, accounting for 79.4 percent of total sales by wholesalers. Providence had the largest sales among all places in the State, accounting for 32.4 percent.



Figure 1. State Map

**RHODE ISLAND - Consolidated Metropolitan Statistical Area, Primary Metropolitan Statistical Areas, Metropolitan Statistical Area, Counties, and Selected Places**

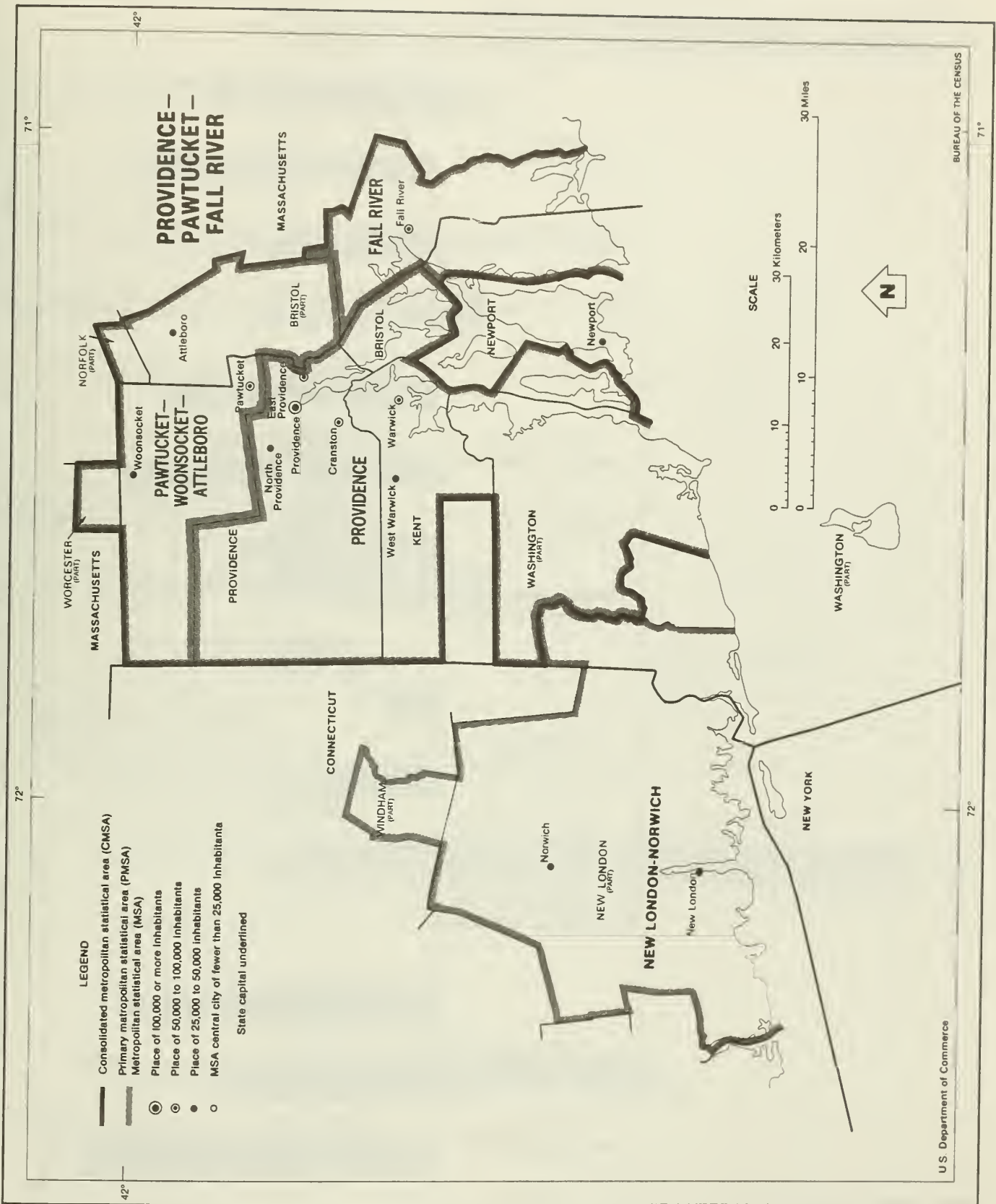


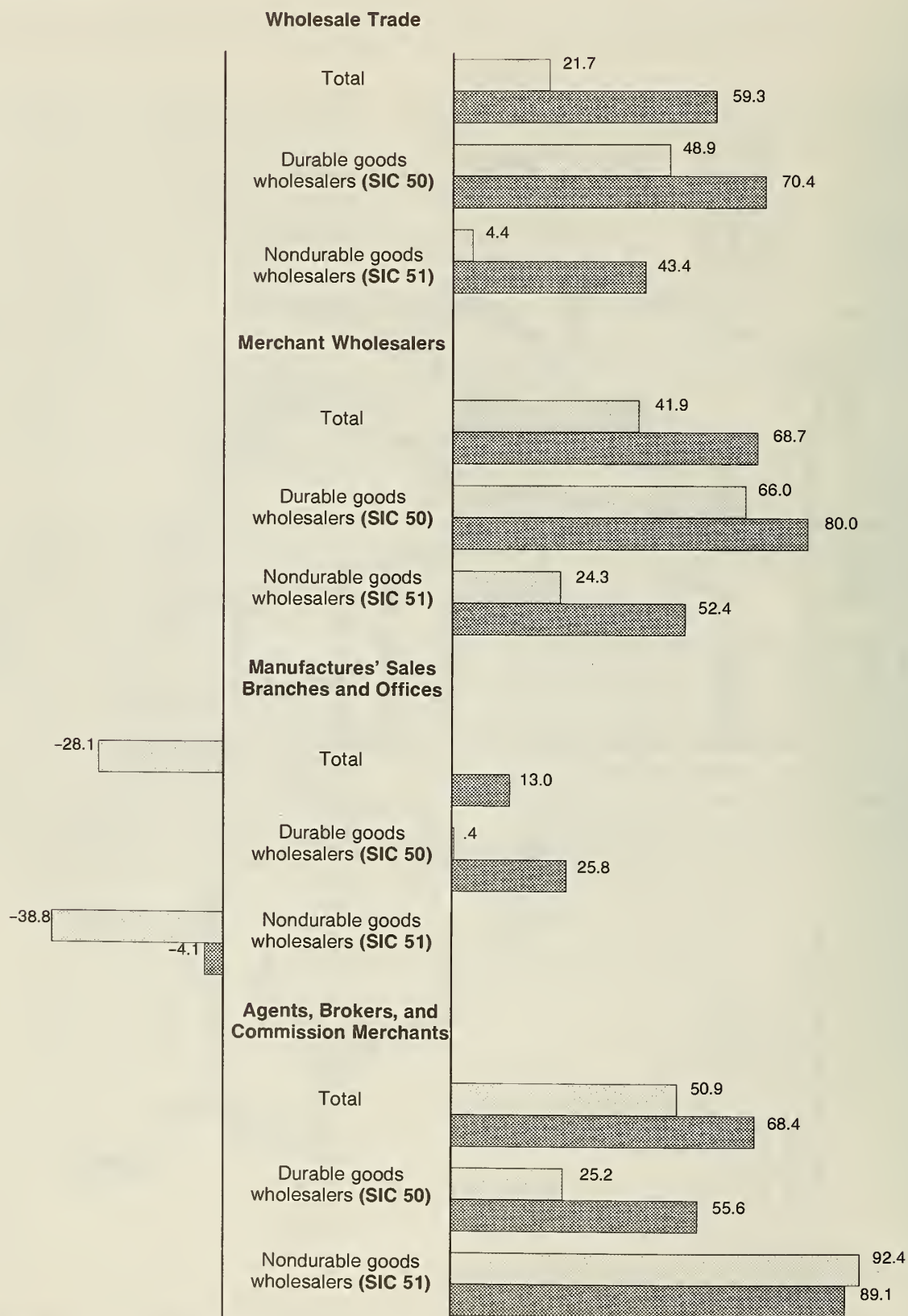


Figure 2. Percent Change in Sales and Annual Payroll: 1982 to 1987

Rhode Island

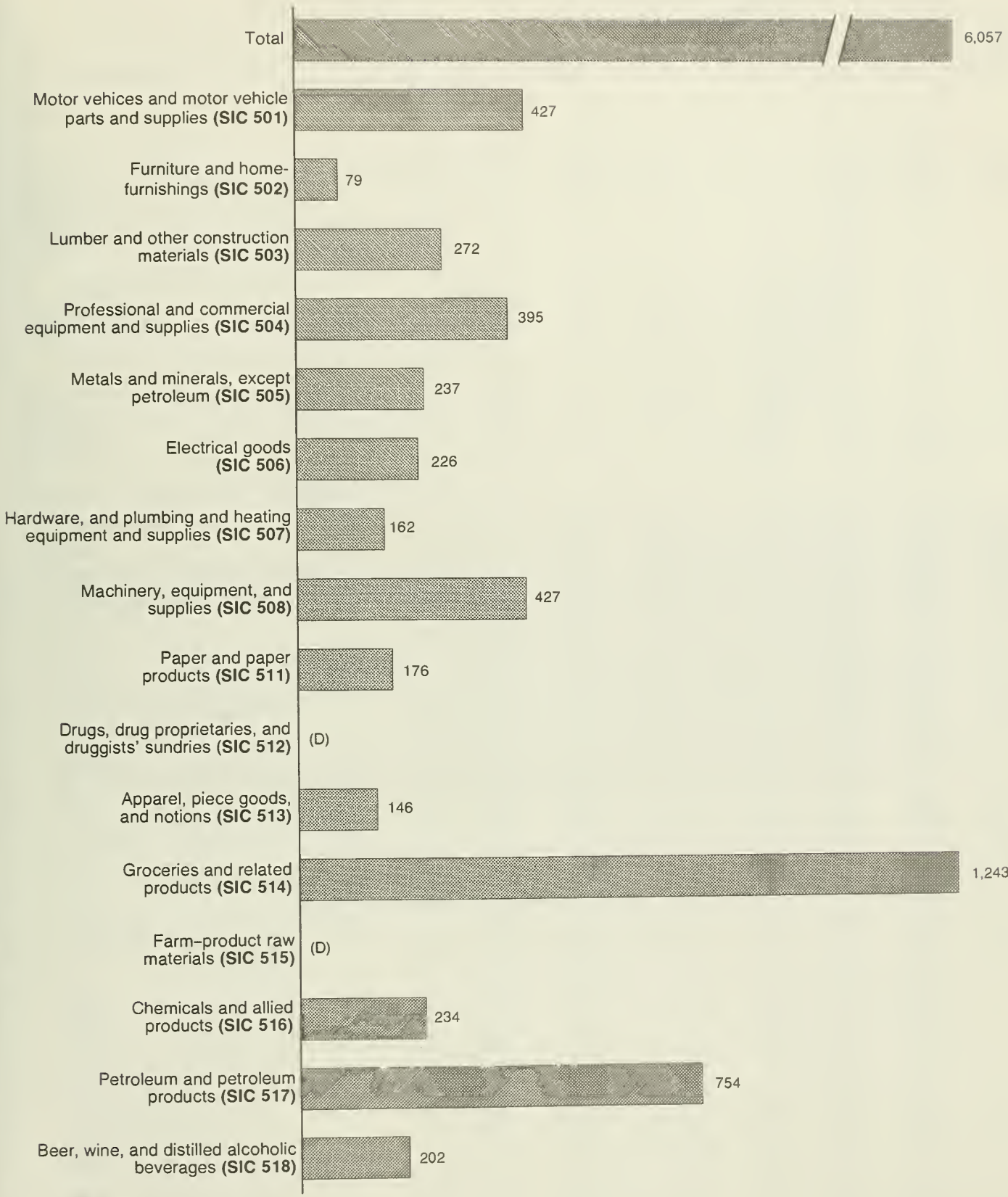
Sales   
Payroll 



Note: Data are based on 1972 Standard Industrial Classification.  
For meaning of abbreviations and symbols, see introductory text.

Figure 3. **Wholesale Sales by Industry Group: 1987**  
(Million dollars)

Rhode Island



Note: For meaning of abbreviations and symbols, see introductory text.



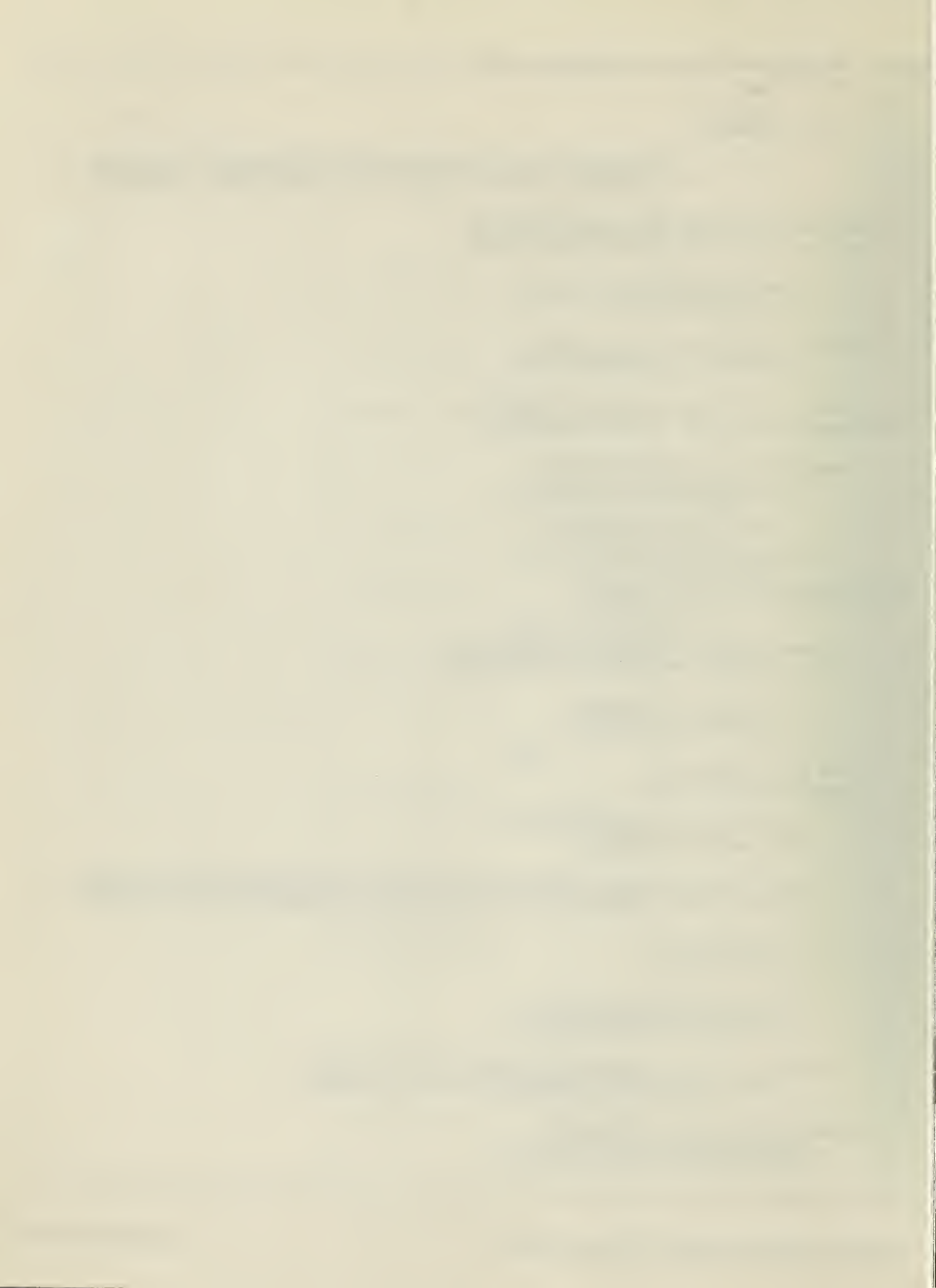




Table 1. Summary Statistics for the State: 1987

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms and comparability of 1982 and 1987 censuses, including revised methodology for presenting establishment counts, see appendix A]

1987 SIC code	Type of operation and kind of business	Estab- lish- ments (number)	Sales (\$1,000)	Annual payroll (\$1,000)	First quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Operating expenses (\$1,000)	End-of-1986 inventories (\$1,000)	End-of-1987 inventories (\$1,000)
	Wholesale trade -----	1 724	6 056 691	490 802	117 298	22 284	1 018 462	468 494	510 985
	<b>TYPES OF OPERATION</b>								
	Merchant wholesalers -----	1 510	4 579 185	417 289	98 988	19 641	864 354	408 265	443 853
	Wholesale distributors and jobbers -----	1 422	4 107 107	371 968	87 802	17 879	749 822	339 946	375 667
	Importers -----	76	356 808	38 678	9 455	1 465	92 481	51 118	50 730
	Exporters -----	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Terminal grain elevators -----	-	-	-	-	-	-	-	-
	Country grain elevators -----	-	-	-	-	-	-	-	-
	Assemblers of farm products, except country grain elevators -----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	<b>Manufacturers' sales branches and sales offices -----</b>	<b>84</b>	<b>1 057 324</b>	<b>58 993</b>	<b>14 619</b>	<b>2 003</b>	<b>123 282</b>	<b>57 247</b>	<b>65 779</b>
	Sales branches (with stock) -----	60	914 303	50 472	12 429	1 778	104 912	57 247	65 779
	Sales offices (without stock) -----	24	143 021	8 521	2 190	225	18 370	-	-
	<b>Agents, brokers, and commission merchants ----</b>	<b>130</b>	<b>420 182</b>	<b>14 520</b>	<b>3 691</b>	<b>640</b>	<b>30 826</b>	<b>982</b>	<b>1 353</b>
	Auction companies -----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Brokers -----	24	130 424	3 961	988	153	7 755	16	178
	Commission merchants -----	20	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Import agents -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Export agents -----	-	-	-	-	-	-	-	-
	Manufacturers' agents -----	83	193 636	6 878	1 573	326	16 236	759	932
	<b>TYPES OF OPERATION BY KIND OF BUSINESS</b>								
	Wholesale trade -----	1 724	6 056 691	490 802	117 298	22 284	1 018 462	466 494	510 985
50	Durable goods -----	1 121	2 888 942	310 009	73 856	13 888	629 321	316 190	345 349
501	Motor vehicles and motor vehicle parts and supplies -----	165	427 343	38 954	9 501	2 048	78 685	53 488	60 759
5012	Automobiles and other motor vehicles -----	33	163 652	10 240	2 633	431	21 153	23 024	23 496
5013	Motor vehicle supplies and new parts -----	97	235 017	24 220	5 891	1 332	48 381	27 923	34 677
5014	Tires and tubes -----	8	11 087	1 035	237	58	2 106	941	984
5015	Motor vehicle parts, used -----	27	17 587	3 459	740	227	7 045	1 600	1 602
502	Furniture and home furnishings -----	35	78 571	9 810	2 423	439	19 193	7 630	8 240
5021	Furniture -----	13	22 705	3 004	679	144	6 029	1 432	1 529
5023	Home furnishings -----	22	55 866	6 806	1 744	295	13 164	6 198	6 711
503	Lumber and other construction materials -----	55	271 644	23 285	5 391	911	48 864	19 773	20 781
5031	Lumber, plywood, millwork, and wood panels -----	16	140 798	9 332	2 458	388	18 669	8 666	9 036
5032	Brick, stone, and related construction materials -----	11	41 391	3 748	768	170	7 646	3 221	3 776
5033	Roofing, siding, and insulation materials -----	13	52 027	4 494	912	183	11 569	6 105	5 894
5039	Construction materials, n.e.c. -----	15	37 428	5 711	1 253	170	10 980	1 781	2 075
504	Professional and commercial equipment and supplies -----	143	394 770	65 498	15 598	2 616	117 733	35 029	41 326
5043	Photographic equipment and supplies -----	4	2 629	177	55	13	552	76	125
5044	Office equipment -----	33	61 201	16 601	3 907	681	25 995	4 141	4 937
5045	Computers and computer peripheral equipment and software -----	44	187 920	25 978	6 322	881	49 967	13 002	18 868
5046	Commercial equipment, n.e.c. -----	26	67 500	11 996	2 929	503	19 889	6 913	8 485
5047	Medical, dental, and hospital equipment and supplies -----	20	51 216	5 753	1 267	254	11 876	7 329	5 110
5048	Ophthalmic goods -----	5	8 949	2 850	665	175	5 302	1 020	1 078
5049	Professional equipment and supplies, n.e.c. -----	11	15 355	2 143	453	109	4 152	2 548	2 723
505	Metals and minerals, except petroleum -----	40	236 525	24 496	5 643	890	48 324	34 574	35 671
5051	Metals service centers and offices -----	39	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5052	Coal and other minerals and ores -----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
506	Electrical goods -----	95	225 702	23 489	5 614	1 018	43 488	25 625	27 098
5063	Electrical apparatus and equipment, wiring supplies, and construction materials -----	45	128 415	13 122	3 185	592	23 677	13 248	15 185
5064	Electrical appliances, television and radio sets -----	8	23 397	1 882	388	79	4 049	1 652	1 842
5065	Electronic parts and equipment, n.e.c. -----	42	73 890	8 485	2 041	347	15 762	10 725	10 071
507	Hardware, and plumbing and heating equipment and supplies -----	85	162 298	16 955	3 740	769	32 589	22 983	25 442
5072	Hardware -----	30	67 149	6 306	1 388	318	11 897	12 458	14 274
5074	Plumbing and heating equipment and supplies (hydronics) -----	40	75 902	7 876	1 813	347	15 430	8 804	9 386
5075	Warm air heating and air-conditioning equipment and supplies -----	8	9 913	1 629	379	62	3 140	966	941
5078	Refrigeration equipment and supplies -----	7	9 334	1 144	160	42	2 122	755	841
508	Machinery, equipment, and supplies -----	221	426 638	43 977	10 203	1 819	88 054	51 122	54 132
5082	Construction and mining (except petroleum) machinery and equipment -----	12	31 019	4 264	918	138	6 978	10 309	10 448
5083	Farm and garden machinery and equipment -----	7	9 856	942	179	50	1 591	1 115	1 718
5084	Industrial machinery and equipment -----	102	234 739	22 356	5 253	937	47 496	25 844	28 660
5085	Industrial supplies -----	58	84 742	9 283	2 147	397	19 015	9 960	10 666
5087	Service establishment equipment and supplies -----	33	53 797	6 325	1 537	263	11 391	3 173	3 835
5088	Transportation equipment and supplies, except motor vehicles -----	9	12 485	807	169	34	1 583	721	805
509	Miscellaneous durable goods -----	282	665 451	63 545	15 743	3 378	152 391	65 966	71 900
5091	Sporting and recreational goods and supplies -----	15	51 352	3 525	704	149	9 113	5 153	6 723
5092	Toys and hobby goods and supplies -----	7	3 130	462	90	30	967	487	561
5093	Scrap and waste materials -----	48	169 786	11 548	2 914	503	35 112	19 831	19 964
5094	Jewelry, watches, precious stones, and precious metals -----	177	415 361	45 145	11 331	2 517	100 311	39 085	42 944
5099	Durable goods, n.e.c. -----	35	25 822	2 865	704	179	6 888	1 410	1 708

Table 1. Summary Statistics for the State: 1987—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms and comparability of 1982 and 1987 censuses, including revised methodology for presenting establishment counts, see appendix A]

1987 SIC code	Type of operation and kind of business	Estab- lish- ments (number)	Sales (\$1,000)	Annual payroll (\$1,000)	First quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Operating expenses (\$1,000)	End-of-1986 inventories (\$1,000)	End-of-1987 inventories (\$1,000)
<b>TYPES OF OPERATION BY KIND OF BUSINESS</b> —Con.									
<b>Wholesale trade—Con.</b>									
51	<b>Nondurable goods</b> .....	603	3 167 749	180 793	43 442	8 396	389 141	150 304	165 636
511	Paper and paper products .....	74	176 190	18 919	4 450	836	38 265	9 224	9 458
5111	Printing and writing paper .....	9	57 518	4 245	988	144	8 128	2 927	2 734
5112	Stationery and office supplies .....	39	67 206	8 487	2 020	425	18 536	2 984	2 944
5113	Industrial and personal service paper .....	26	51 466	6 187	1 442	267	11 601	3 313	3 780
512	Drugs, drug proprietaries, and druggists' sundries .....	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5122	Drugs, drug proprietaries, and druggists' sundries .....	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)
513	Apparel, piece goods, and notions .....	43	145 577	10 335	2 365	497	24 073	15 723	15 623
5131	Piece goods, notions, and other dry goods .....	24	59 746	5 646	1 182	290	10 930	10 137	10 461
5136	Men's and boys' clothing and furnishings .....	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5137	Women's, children's and infants' clothing and accessories .....	8	38 119	3 215	777	145	8 101	3 707	3 098
5139	Footwear .....	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)
514	Groceries and related products .....	213	1 243 351	66 557	15 871	3 603	128 890	32 025	29 283
5141	Groceries, general line .....	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5142	Packaged frozen foods .....	12	46 018	2 355	538	81	5 069	1 409	1 445
5143	Dairy products, except dried or canned .....	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5144	Poultry and poultry products .....	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5145	Confectionery .....	14	57 160	3 025	858	152	5 532	604	456
5146	Fish and seafoods .....	55	191 698	10 324	2 387	573	20 416	6 626	8 005
5147	Meats and meat products .....	29	228 061	9 009	2 135	432	17 692	5 114	5 065
5148	Fresh fruits and vegetables .....	21	127 803	11 704	2 680	499	20 812	1 552	1 558
5149	Groceries and related products, n.e.c. ....	46	146 682	13 132	3 078	560	28 195	3 738	3 748
515	Farm-product raw materials .....	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5153	Grain and field beans .....	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5154	Livestock .....	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5159	Farm-product raw materials, n.e.c. ....	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
516	Chemicals and allied products .....	62	234 142	22 945	5 606	805	52 950	16 241	17 295
5162	Plastics materials and basic forms and shapes .....	15	41 075	3 176	633	123	6 912	3 286	3 657
5169	Chemicals and allied products, n.e.c. ....	47	193 067	19 769	4 973	682	46 038	12 955	13 638
517	Petroleum and petroleum products .....	36	753 831	15 806	3 396	561	47 998	33 036	38 329
5171	Petroleum bulk stations and terminals .....	24	715 585	13 913	2 947	467	42 755	30 307	35 190
5172	Petroleum and petroleum products wholesalers, except bulk stations and terminals .....	12	38 246	1 893	449	94	5 243	2 729	3 139
518	Beer, wine, and distilled alcoholic beverages .....	19	202 004	20 765	5 877	665	38 048	19 001	21 774
5181	Beer and ale .....	8	100 031	10 858	3 662	287	19 997	4 162	5 183
5182	Wine and distilled alcoholic beverages .....	11	101 973	9 907	2 215	378	18 051	14 839	16 591
519	Miscellaneous nondurable goods .....	142	288 963	20 969	4 787	1 230	49 533	15 198	16 845
5191	Farm supplies .....	23	26 784	2 911	562	136	10 729	2 365	3 388
5192	Books, periodicals, and newspapers .....	9	21 587	2 703	650	130	5 879	53	60
5193	Flowers, nursery stock, and florists' supplies .....	12	20 639	2 726	720	181	5 191	1 217	1 466
5194	Tobacco and tobacco products .....	10	85 707	2 770	659	195	5 047	4 267	4 396
5198	Paints, varnishes, and supplies .....	10	8 700	998	244	60	2 456	1 145	934
5199	Nondurable goods, n.e.c. ....	78	125 546	8 861	1 952	528	20 231	6 151	6 601
<b>Merchant wholesalers</b> .....		1 510	4 579 185	417 289	98 988	19 641	864 354	408 265	443 853
50	<b>Durable goods</b> .....	986	2 272 964	264 187	62 506	12 339	540 923	291 954	316 824
501	Motor vehicles and motor vehicle parts and supplies .....	157	339 204	35 872	8 544	1 896	71 006	44 688	57 340
5012	Automobiles and other motor vehicles .....	31	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5013	Motor vehicle supplies and new parts .....	91	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5014	Tires and tubes .....	8	11 087	1 035	237	58	2 106	941	984
5015	Motor vehicle parts, used .....	27	17 587	3 459	740	227	7 045	1 600	1 602
502	Furniture and home furnishings .....	32	63 871	9 021	1 989	416	18 045	7 630	8 240
5021	Furniture .....	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5023	Home furnishings .....	20	(D)	(D)	(D)	(D)	(D)	(D)	(D)
503	Lumber and other construction materials .....	51	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5031	Lumber, plywood, millwork, and wood panels .....	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5032	Brick, stone, and related construction materials .....	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5033	Roofing, siding, and insulation materials .....	13	52 027	4 494	912	183	11 569	6 105	5 894
5039	Construction materials, n.e.c. ....	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)
504	Professional and commercial equipment and supplies .....	122	252 681	46 131	10 847	2 032	83 708	31 654	30 617
5043	Photographic equipment and supplies .....	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5044	Office equipment .....	29	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5045	Computers and computer peripheral equipment and software .....	35	85 783	14 063	3 367	565	26 703	11 967	10 968
5046	Commercial equipment, n.e.c. ....	25	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5047	Medical, dental, and hospital equipment and supplies .....	17	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5048	Ophthalmic goods .....	5	8 949	2 850	665	175	5 302	1 020	1 078
5049	Professional equipment and supplies, n.e.c. ....	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)
505	Metals and minerals, except petroleum .....	34	135 236	14 951	3 458	606	28 598	27 836	27 471
5051	Metals service centers and offices .....	33	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5052	Coal and other minerals and ores .....	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
506	Electrical goods .....	81	167 340	18 922	4 496	889	35 529	23 876	25 184
5063	Electrical apparatus and equipment, wiring supplies, and construction materials .....	39	103 200	11 362	2 794	534	20 588	11 619	13 396
5064	Electrical appliances, television and radio sets .....	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5065	Electronic parts and equipment, n.e.c. ....	35	(D)	(D)	(D)	(D)	(D)	(D)	(D)



Table 1. Summary Statistics for the State: 1987—Con.

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1987 SIC code	Type of operation and kind of business	Estab- lish- ments (number)	Sales (\$1,000)	Annual payroll (\$1,000)	First quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Operating expenses (\$1,000)	End-of-1986 inventories (\$1,000)	End-of-1987 inventories (\$1,000)
<b>TYPES OF OPERATION BY KIND OF BUSINESS</b> —Con.									
Merchant wholesalers—Con.									
50	Durable goods—Con.								
507	Hardware, and plumbing and heating equipment and supplies .....	80	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5072	Hardware .....	27	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5074	Plumbing and heating equipment and supplies (hydronics) .....	38	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5075	Warm air heating and air-conditioning equipment and supplies .....	8	9 913	1 629	379	62	3 140	966	941
5078	Refrigeration equipment and supplies .....	7	9 334	1 144	160	42	2 122	755	841
508	Machinery, equipment, and supplies .....	190	339 983	39 034	9 102	1 610	78 653	48 583	51 101
5082	Construction and mining (except petroleum) machinery and equipment .....	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5083	Farm and garden machinery and equipment .....	7	9 856	942	179	50	1 591	1 115	1 718
5084	Industrial machinery and equipment .....	83	199 185	19 832	4 701	828	43 301	24 160	24 723
5085	Industrial supplies .....	53	62 306	8 602	1 973	374	17 122	9 329	9 828
5087	Service establishment equipment and supplies .....	28	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5088	Transportation equipment and supplies, except motor vehicles .....	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)
509	Miscellaneous durable goods .....	239	573 909	61 140	15 178	3 250	146 223	65 282	71 391
5091	Sporting and recreational goods and supplies .....	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5092	Toys and hobby goods and supplies .....	7	3 130	462	90	30	967	487	561
5093	Scrap and waste materials .....	47	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5094	Jewelry, watches, precious stones, and precious metals .....	143	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5099	Durable goods, n.e.c. ....	28	22 636	2 644	656	166	6 362	1 385	1 680
51	Nondurable goods .....	524	2 306 221	153 102	36 482	7 302	323 431	116 311	127 029
511	Paper and paper products .....	63	137 481	16 647	3 863	761	32 562	8 984	9 297
5111	Printing and writing paper .....	9	57 518	4 245	988	144	8 128	2 927	2 734
5112	Stationery and office supplies .....	32	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5113	Industrial and personal service paper .....	22	(D)	(D)	(D)	(D)	(D)	(D)	(D)
512	Drugs, drug proprietaries, and druggists' sundries .....	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5122	Drugs, drug proprietaries, and druggists' sundries .....	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)
513	Apparel, piece goods, and notions .....	35	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5131	Piece goods, notions, and other dry goods .....	20	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5136	Men's and boys' clothing and furnishings .....	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5137	Women's, children's and infants' clothing and accessories .....	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5139	Footwear .....	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)
514	Groceries and related products .....	196	1 053 158	54 633	12 874	3 129	103 775	29 504	26 714
5141	Groceries, general line .....	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5142	Packaged frozen foods .....	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5143	Dairy products, except dried or canned .....	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5144	Poultry and poultry products .....	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5145	Confectionery .....	11	36 227	2 710	789	107	4 807	569	404
5146	Fish and seafoods .....	53	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5147	Meats and meat products .....	26	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5148	Fresh fruits and vegetables .....	20	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5149	Groceries and related products, n.e.c. ....	41	(D)	(D)	(D)	(D)	(D)	(D)	(D)
515	Farm-product raw materials .....	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5153	Grain and field beans .....	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5154	Livestock .....	-	-	-	-	-	-	-	-
5159	Farm-product raw materials, n.e.c. ....	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
516	Chemicals and allied products .....	46	184 470	19 397	4 685	671	45 085	14 001	14 810
5162	Plastics materials and basic forms and shapes .....	11	34 304	2 889	590	114	6 253	3 286	3 657
5169	Chemicals and allied products, n.e.c. ....	35	150 166	16 508	4 095	557	38 832	10 715	11 153
517	Petroleum and petroleum products .....	27	346 812	10 565	2 048	384	32 596	12 291	12 181
5171	Petroleum bulk stations and terminals .....	17	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5172	Petroleum and petroleum products wholesalers, except bulk stations and terminals .....	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)
518	Beer, wine, and distilled alcoholic beverages .....	18	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5181	Beer and ale .....	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5182	Wine and distilled alcoholic beverages .....	11	101 973	9 907	2 215	378	18 051	14 839	16 591
519	Miscellaneous nondurable goods .....	127	218 653	18 751	4 287	1 126	44 516	13 103	14 949
5191	Farm supplies .....	23	26 784	2 911	562	136	10 729	2 365	3 388
5192	Books, periodicals, and newspapers .....	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5193	Flowers, nursery stock, and florists' supplies .....	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5194	Tobacco and tobacco products .....	10	85 707	2 770	659	195	5 047	4 267	4 396
5198	Paints, varnishes, and supplies .....	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5199	Nondurable goods, n.e.c. ....	68	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Manufacturers' sales branches and sales offices .....									
		84	1 057 324	58 993	14 619	2 003	123 282	57 247	65 779
50	Durable goods .....	46	400 944	37 527	9 222	1 161	71 615	23 734	27 886
501	Motor vehicles and motor vehicle parts and supplies .....	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)
502	Furniture and homel furnishings .....	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
503	Lumber and other construction materials .....	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)
504	Professional and commercial equipment and supplies .....	11	125 475	18 391	4 501	541	31 947	3 327	10 652
505	Metals and minerals, except petroleum .....	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)

Table 1. Summary Statistics for the State: 1987—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms and comparability of 1982 and 1987 censuses, including revised methodology for presenting establishment counts, see appendix A]

1987 SIC code	Type of operation and kind of business	Estab- lish- ments (number)	Sales (\$1,000)	Annual payroll (\$1,000)	First quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Operating expenses (\$1,000)	End-of-1986 inventories (\$1,000)	End-of-1987 inventories (\$1,000)
	<b>TYPES OF OPERATION BY KIND OF BUSINESS —Con.</b>								
	Manufacturers' sales branches and sales offices—Con.								
50	Durable goods—Con.								
506	Electrical goods.....	6	25 909	3 748	940	99	6 602	1 749	1 814
507	Hardware, and plumbing and heating equipment and supplies.....	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
508	Machinery, equipment, and supplies.....	11	38 311	2 609	586	102	4 777	2 143	2 628
509	Miscellaneous durable goods.....	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)
51	Nondurable goods.....	38	656 380	21 466	5 397	842	51 667	33 513	37 893
511	Paper and paper products.....	6	28 710	1 653	461	55	4 276	235	-
512	Drugs, drug proprietaries, and druggists' sundries.....	-	-	-	-	-	-	-	-
513	Apparel, piece goods, and notions.....	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
514	Groceries and related products.....	8	117 876	9 401	2 306	375	20 326	2 359	2 374
515	Farm-product raw materials.....	-	-	-	-	-	-	-	-
516	Chemicals and allied products.....	9	42 430	2 996	819	115	6 887	2 215	2 442
517	Petroleum and petroleum products.....	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)
518	Beer, wine, and distilled alcoholic beverages.....	-	-	-	-	-	-	-	-
519	Miscellaneous nondurable goods.....	6	42 326	1 754	383	75	4 064	2 095	1 896
	Agents, brokers, and commission merchants.....	130	420 182	14 520	3 691	640	30 826	982	1 353
50	Durable goods.....	89	215 034	8 295	2 128	388	16 783	502	639
501	Motor vehicles and motor vehicle parts and supplies.....	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
502	Furniture and home furnishings.....	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
503	Lumber and other construction materials.....	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
504	Professional and commercial equipment and supplies.....	10	16 614	976	250	43	2 078	48	57
505	Metals and minerals, except petroleum.....	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)
506	Electrical goods.....	8	32 453	819	178	30	1 357	-	100
507	Hardware, and plumbing and heating equipment and supplies.....	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)
508	Machinery, equipment, and supplies.....	20	48 344	2 334	515	107	4 624	396	403
509	Miscellaneous durable goods.....	40	(D)	(D)	(D)	(D)	(D)	(D)	(D)
51	Nondurable goods.....	41	205 148	6 225	1 563	252	14 043	480	714
511	Paper and paper products.....	5	9 999	619	126	20	1 427	5	161
512	Drugs, drug proprietaries, and druggists' sundries.....	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
513	Apparel, piece goods, and notions.....	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)
514	Groceries and related products.....	9	72 317	2 523	691	99	4 789	162	195
515	Farm-product raw materials.....	-	-	-	-	-	-	-	-
516	Chemicals and allied products.....	7	7 242	552	102	19	978	25	43
517	Petroleum and petroleum products.....	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
518	Beer, wine, and distilled alcoholic beverages.....	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
519	Miscellaneous nondurable goods.....	9	27 984	464	117	29	953	-	-



**Table 2. Selected Ratios for the State: 1987**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms and comparability of 1982 and 1987 censuses, including revised methodology for presenting establishment counts, see appendix A]

1987 SIC code	Type of operation and kind of business	Sales		Annual payroll		Employees per estab- lishment <sup>1</sup> (number)	Operating expenses as percent of sales	End-of-1987 inventories as percent of sales
		Per estab- lishment (dollars)	Per employee <sup>1</sup> (dollars)	Per employee <sup>1</sup> (dollars)	As percent of operating expenses			
	Wholesale trade -----	3 513 162	271 796	22 025	48.2	13	18.8	8.4
50	Durable goods -----	2 577 112	208 017	22 322	49.3	12	21.8	12.0
501	Motor vehicles and motor vehicle parts and supplies -----	2 589 958	208 664	19 021	49.5	12	18.4	14.2
5012	Automobiles and other motor vehicles -----	4 959 152	379 703	23 759	48.4	13	12.9	14.4
5013	Motor vehicle supplies and new parts -----	2 422 856	176 439	18 183	50.1	14	20.6	14.8
5014	Tires and tubes -----	1 385 875	191 155	17 845	49.1	7	19.0	8.9
5015	Motor vehicle parts, used -----	651 370	77 476	15 238	49.1	8	40.1	9.1
502	Furniture and home furnishings -----	2 244 886	178 977	22 346	51.1	13	24.4	10.5
5021	Furniture -----	1 746 538	157 674	20 861	49.8	11	26.6	8.7
5023	Home furnishings -----	2 539 364	189 376	23 071	51.7	13	23.6	12.0
503	Lumber and other construction materials -----	4 938 982	298 182	25 560	47.7	17	18.0	7.7
5031	Lumber, plywood, millwork, and wood panels -----	8 799 875	362 881	24 052	50.0	24	13.3	6.4
5032	Brick, stone, and related construction materials -----	3 762 818	243 476	22 047	49.0	15	18.5	9.1
5033	Roofing, siding, and insulation materials -----	4 002 077	284 301	24 557	38.8	14	22.2	11.3
5039	Construction materials, n.e.c. -----	2 495 200	220 165	33 594	52.0	11	29.3	5.5
504	Professional and commercial equipment and supplies -----	2 760 629	150 906	25 037	55.6	18	29.8	10.5
5043	Photographic equipment and supplies -----	657 250	202 231	13 615	32.1	3	21.0	4.8
5044	Office equipment -----	1 854 576	89 869	24 377	63.9	21	42.5	8.1
5045	Computers and computer peripheral equipment and software -----	4 270 909	213 303	29 487	52.0	20	26.6	10.0
5046	Commercial equipment, n.e.c. -----	2 596 154	134 195	23 849	60.3	19	29.5	12.6
5047	Medical, dental, and hospital equipment and supplies -----	2 560 800	201 638	22 650	48.4	13	23.2	10.0
5048	Ophthalmic goods -----	1 789 800	51 137	16 286	53.8	35	58.2	12.0
5049	Professional equipment and supplies, n.e.c. -----	1 395 909	140 872	19 661	51.6	10	27.0	17.7
505	Metals and minerals, except petroleum -----	5 913 125	265 758	27 524	50.7	22	20.4	15.1
5051	Metals service centers and offices -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5052	Coal and other minerals and ores -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)
506	Electrical goods -----	2 375 811	221 711	23 074	54.0	11	19.3	12.0
5063	Electrical apparatus and equipment, wiring supplies, and construction materials -----	2 853 667	216 917	22 166	55.4	13	18.4	11.8
5064	Electrical appliances, television and radio sets -----	2 924 625	296 165	23 823	46.5	10	17.3	7.9
5065	Electronic parts and equipment, n.e.c. -----	1 759 286	212 939	24 452	53.8	8	21.3	13.6
507	Hardware, and plumbing and heating equipment and supplies -----	1 909 388	211 051	22 048	52.0	9	20.1	15.7
5072	Hardware -----	2 238 300	211 160	19 830	53.0	11	17.7	21.3
5074	Plumbing and heating equipment and supplies (hydronics) -----	1 897 550	218 738	22 697	51.0	9	20.3	12.4
5075	Warm air heating and air-conditioning equipment and supplies -----	1 239 125	159 887	26 274	51.9	8	31.7	9.5
5078	Refrigeration equipment and supplies -----	1 333 429	222 238	27 238	53.9	6	22.7	9.0
508	Machinery, equipment, and supplies -----	1 930 489	234 545	24 176	49.9	8	20.6	12.7
5082	Construction and mining (except petroleum) machinery and equipment -----	2 584 917	224 775	30 899	61.1	12	22.5	33.7
5083	Farm and garden machinery and equipment -----	1 408 000	197 120	18 840	59.2	7	16.1	17.4
5084	Industrial machinery and equipment -----	2 301 363	250 522	23 859	47.1	9	20.2	11.4
5085	Industrial supplies -----	1 461 069	213 456	23 383	48.8	7	22.4	12.6
5087	Service establishment equipment and supplies -----	1 630 212	204 551	24 049	55.5	8	21.2	7.1
5088	Transportation equipment and supplies, except motor vehicles -----	1 387 222	367 206	23 735	51.0	4	12.7	6.4
509	Miscellaneous durable goods -----	2 359 755	196 996	18 811	41.7	12	22.9	10.8
5091	Sporting and recreational goods and supplies -----	3 423 467	344 644	23 658	38.7	10	17.7	13.1
5092	Toys and hobby goods and supplies -----	447 143	104 333	15 400	47.8	4	30.9	17.9
5093	Scrap and waste materials -----	3 537 208	337 547	22 958	32.9	10	20.7	11.8
5094	Jewelry, watches, precious stones, and precious metals -----	2 346 672	165 022	17 936	45.0	14	24.2	10.3
5099	Durable goods, n.e.c. -----	737 771	144 257	16 006	41.6	5	26.7	6.6
51	Nondurable goods -----	5 253 315	377 293	21 533	46.5	14	12.3	5.2
511	Paper and paper products -----	2 380 946	210 754	22 630	49.4	11	21.7	5.4
5111	Printing and writing paper -----	6 390 889	399 431	29 479	52.2	16	14.1	4.8
5112	Stationery and office supplies -----	1 723 231	158 132	19 969	45.8	11	27.6	4.4
5113	Industrial and personal service paper -----	1 979 462	192 757	23 172	53.3	10	22.5	7.3
512	Drugs, drug proprietaries, and druggists' sundries -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5122	Drugs, drug proprietaries, and druggists' sundries -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)
513	Apparel, piece goods, and notions -----	3 385 512	292 911	20 795	42.9	12	16.5	10.7
5131	Piece goods, notions, and other dry goods -----	2 489 417	206 021	19 469	51.7	12	18.3	17.5
5136	Men's and boys' clothing and furnishings -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5137	Women's, children's and infants' clothing and accessories -----	4 764 875	262 890	22 172	39.7	18	21.3	8.1
5139	Footwear -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)
514	Groceries and related products -----	5 837 329	345 088	18 473	51.6	17	10.4	2.4
5141	Groceries, general line -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5142	Packaged frozen foods -----	3 834 833	568 123	29 074	48.5	7	11.0	3.1
5143	Dairy products, except dried or canned -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5144	Poultry and poultry products -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5145	Confectionery -----	4 082 857	376 053	19 901	54.7	11	9.7	.8
5146	Fish and seafoods -----	3 485 418	334 551	18 017	50.6	10	10.7	4.2
5147	Meats and meat products -----	7 864 172	527 919	20 854	50.9	15	7.8	2.2
5148	Fresh fruits and vegetables -----	6 085 857	256 118	23 455	56.2	24	16.3	1.2
5149	Groceries and related products, n.e.c. -----	3 188 739	261 932	23 450	46.6	12	19.2	2.6
515	Farm-product raw materials -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5153	Grain and field beans -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5154	Livestock -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5159	Farm-product raw materials, n.e.c. -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)
516	Chemicals and allied products -----	3 776 484	290 860	28 503	43.3	13	22.8	7.4
5162	Plastics materials and basic forms and shapes -----	2 738 333	333 943	25 821	45.9	8	18.8	8.9
5169	Chemicals and allied products, n.e.c. -----	4 107 809	283 089	28 987	42.9	15	23.8	7.1

See footnotes at end of table.

Table 2. Selected Ratios for the State: 1987—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms and comparability of 1982 and 1987 censuses, including revised methodology for presenting establishment counts, see appendix A]

1987 SIC code	Type of operation and kind of business	Sales		Annual payroll		Employees per estab- lishment <sup>1</sup> (number)	Operating expenses as percent of sales	End-of-1987 inventories as percent of sales
		Per estab- lishment (dollars)	Per employee <sup>1</sup> (dollars)	Per employee <sup>1</sup> (dollars)	As percent of operating expenses			
	<b>Wholesale trade—Con.</b>							
51	<b>Nondurable goods—Con.</b>							
517	Petroleum and petroleum products .....	20 939 750	1 343 727	28 175	32.9	16	6.4	5.1
5171	Petroleum bulk stations and terminals .....	29 816 042	1 532 302	29 792	32.5	19	6.0	4.9
5172	Petroleum and petroleum products wholesalers, except bulk stations and terminals .....	3 187 167	406 872	20 138	36.1	8	13.7	8.2
518	Beer, wine, and distilled alcoholic beverages .....	10 631 789	303 765	31 226	54.6	35	18.8	10.8
5181	Beer and ale .....	12 503 875	348 540	37 833	54.3	36	20.0	5.2
5182	Wine and distilled alcoholic beverages .....	9 270 273	269 770	26 209	54.9	34	17.7	16.3
519	Miscellaneous nondurable goods .....	2 034 951	234 929	17 048	42.3	9	17.1	5.8
5191	Farm supplies .....	1 164 522	196 941	21 404	27.1	6	40.1	12.6
5192	Books, periodicals, and newspapers .....	2 398 556	166 054	20 792	46.0	14	27.2	3
5193	Flowers, nursery stock, and florists' supplies .....	1 719 917	114 028	15 061	52.5	15	25.2	7.1
5194	Tobacco and tobacco products .....	8 570 700	439 523	14 205	54.9	20	5.9	5.1
5198	Paints, varnishes, and supplies .....	870 000	145 000	16 633	40.6	6	28.2	10.7
5199	Nondurable goods, n.e.c. ....	1 609 564	237 777	16 782	43.8	7	16.1	5.3
	<b>Merchant wholesalers .....</b>	<b>3 032 573</b>	<b>233 144</b>	<b>21 246</b>	<b>48.3</b>	<b>13</b>	<b>18.9</b>	<b>9.7</b>
50	<b>Durable goods .....</b>	<b>2 305 237</b>	<b>184 210</b>	<b>21 411</b>	<b>48.8</b>	<b>13</b>	<b>23.8</b>	<b>13.9</b>
501	Motor vehicles and motor vehicle parts and supplies .....	2 160 535	178 905	18 920	50.5	12	20.9	16.9
5012	Automobiles and other motor vehicles .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5013	Motor vehicle supplies and new parts .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5014	Tires and tubes .....	1 385 875	191 155	17 845	49.1	7	19.0	8.9
5015	Motor vehicle parts, used .....	651 370	77 476	15 238	49.1	8	40.1	9.1
502	Furniture and home furnishings .....	1 995 969	153 536	21 685	50.0	13	28.3	12.9
5021	Furniture .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5023	Home furnishings .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
503	Lumber and other construction materials .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5031	Lumber, plywood, millwork, and wood panels .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5032	Brick, stone, and related construction materials .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5033	Roofing, siding, and insulation materials .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5039	Construction materials, n.e.c. ....	4 002 077	284 301	24 557	38.8	14	22.2	11.3
		(D)	(D)	(D)	(D)	(D)	(D)	(D)
504	Professional and commercial equipment and supplies .....	2 071 156	124 351	22 702	55.1	17	33.1	12.1
5043	Photographic equipment and supplies .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5044	Office equipment .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5045	Computers and computer peripheral equipment and software .....	2 450 943	151 828	24 890	52.7	16	31.1	12.8
5046	Commercial equipment, n.e.c. ....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5047	Medical, dental, and hospital equipment and supplies .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5048	Ophthalmic goods .....	1 789 800	51 137	16 286	53.8	35	59.2	12.0
5049	Professional equipment and supplies, n.e.c. ....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
505	Metals and minerals, except petroleum .....	3 977 529	223 162	24 672	52.3	18	21.1	20.3
5051	Metals service centers and offices .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5052	Coal and other minerals and ores .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
506	Electrical goods .....	2 065 926	188 234	21 285	53.3	11	21.2	15.0
5063	Electrical apparatus and equipment, wiring supplies, and construction materials .....	2 646 154	193 258	21 277	55.2	14	19.9	13.0
5064	Electrical appliances, television and radio sets .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5065	Electronic parts and equipment, n.e.c. ....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
507	Hardware, and plumbing and heating equipment and supplies .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5072	Hardware .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5074	Plumbing and heating equipment and supplies (hydronics) .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5075	Warm air heating and air-conditioning equipment and supplies .....	1 239 125	159 887	26 274	51.9	8	31.7	9.5
5078	Refrigeration equipment and supplies .....	1 333 429	222 238	27 238	53.9	6	22.7	9.0
508	Machinery, equipment, and supplies .....	1 789 384	211 170	24 245	49.6	8	23.1	15.0
5082	Construction and mining (except petroleum) machinery and equipment .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5083	Farm and garden machinery and equipment .....	1 408 000	197 120	18 840	59.2	7	16.1	17.4
5084	Industrial machinery and equipment .....	2 399 819	240 562	23 952	45.8	10	21.7	12.4
5085	Industrial supplies .....	1 175 585	166 594	23 000	50.2	7	27.5	15.8
5087	Service establishment equipment and supplies .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5088	Transportation equipment and supplies, except motor vehicles .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
509	Miscellaneous durable goods .....	2 401 293	176 587	18 812	41.8	14	25.5	12.4
5091	Sporting and recreational goods and supplies .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5092	Toys and hobby goods and supplies .....	447 143	104 333	15 400	47.8	4	30.9	17.9
5093	Scrap and waste materials .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5094	Jewelry, watches, precious stones, and precious metals .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5099	Durable goods, n.e.c. ....	808 429	136 361	15 928	41.6	6	28.1	7.4
51	<b>Nondurable goods .....</b>	<b>4 401 185</b>	<b>315 834</b>	<b>20 967</b>	<b>47.3</b>	<b>14</b>	<b>14.0</b>	<b>5.5</b>
511	Paper and paper products .....	2 182 238	180 658	21 875	51.1	12	23.7	6.8
5111	Printing and writing paper .....	6 390 889	399 431	29 479	52.2	16	14.1	4.8
5112	Stationery and office supplies .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5113	Industrial and personal service paper .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
512	Drugs, drug proprietaries, and druggists' sundries .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5122	Drugs, drug proprietaries, and druggists' sundries .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
513	Apparel, piece goods, and notions .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5131	Piece goods, notions, and other dry goods .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5136	Men's and boys' clothing and furnishings .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5137	Women's, children's and infants' clothing and accessories .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5139	Footwear .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.



Table 2. **Selected Ratios for the State: 1987—Con.**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms and comparability of 1982 and 1987 censuses, including revised methodology for presenting establishment counts, see appendix A.]

1987 SIC code	Type of operation and kind of business	Sales		Annual payroll		Employees per estab- lishment <sup>1</sup> (number)	Operating expenses as percent of sales	End-of-1987 inventories as percent of sales
		Per estab- lishment (dollars)	Per employee <sup>1</sup> (dollars)	Per employee <sup>1</sup> (dollars)	As percent of operating expenses			
	Merchant wholesalers—Con.							
51	Nondurable goods—Con.							
514	Groceries and related products .....	5 373 255	336 580	17 460	52.6	16	9.9	2.5
5141	Groceries, general line .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5142	Packaged frozen foods .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5143	Dairy products, except dried or canned .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5144	Poultry and poultry products .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5145	Confectionery .....	3 293 364	338 570	25 327	56.4	10	13.3	1.1
5146	Fish and seafoods .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5147	Meats and meat products .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5148	Fresh fruits and vegetables .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5149	Groceries and related products, n.e.c. ....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
515	Farm-product raw materials .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5153	Grain and field beans .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5154	Livestock .....	-	-	-	-	-	-	-
5159	Farm-product raw materials, n.e.c. ....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
516	Chemicals and allied products .....	4 010 217	274 918	28 908	43.0	15	24.4	8.0
5162	Plastics materials and basic forms and shapes .....	3 118 545	300 912	25 342	46.2	10	18.2	10.7
5169	Chemicals and allied products, n.e.c. ....	4 290 457	269 598	29 637	42.5	16	25.9	7.4
517	Petroleum and petroleum products .....	12 844 889	903 156	27 513	32.4	14	9.4	3.5
5171	Petroleum bulk stations and terminals .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5172	Petroleum and petroleum products wholesalers, except bulk stations and terminals .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
518	Beer, wine, and distilled alcoholic beverages .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5181	Beer and ale .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5182	Wine and distilled alcoholic beverages .....	9 270 273	269 770	26 209	54.9	34	17.7	16.3
519	Miscellaneous nondurable goods .....	1 721 677	194 186	16 653	42.1	9	20.4	6.8
5191	Farm supplies .....	1 164 522	196 941	21 404	27.1	6	40.1	12.6
5192	Books, periodicals, and newspapers .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5193	Flowers, nursery stock, and florists' supplies .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5194	Tobacco and tobacco products .....	8 570 700	439 523	14 205	54.9	20	5.9	5.1
5198	Paints, varnishes, and supplies .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5199	Nondurable goods, n.e.c. ....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Manufacturers' sales branches and sales offices .....	12 587 190	527 870	29 452	47.9	24	11.7	6.2
50	Durable goods .....	8 716 174	345 344	32 323	52.4	25	17.9	7.0
501	Motor vehicles and motor vehicle parts and supplies .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
502	Furniture and home furnishings .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
503	Lumber and other construction materials .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
504	Professional and commercial equipment and supplies .....	11 406 818	231 932	33 994	57.6	49	25.5	8.5
505	Metals and minerals, except petroleum .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
506	Electrical goods .....	4 318 167	261 707	37 859	56.8	17	25.5	7.0
507	Hardware, and plumbing and heating equipment and supplies .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
508	Machinery, equipment, and supplies .....	3 482 818	375 598	25 578	54.6	9	12.5	6.9
509	Miscellaneous durable goods .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
51	Nondurable goods .....	17 273 158	779 549	25 494	41.5	22	7.9	5.8
511	Paper and paper products .....	4 785 000	522 000	30 055	38.7	9	14.9	-
512	Drugs, drug proprietaries, and druggists' sundries .....	-	-	-	-	-	-	-
513	Apparel, piece goods, and notions .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
514	Groceries and related products .....	14 734 500	314 336	25 069	46.3	47	17.2	2.0
515	Farm-product raw materials .....	-	-	-	-	-	-	-
516	Chemicals and allied products .....	4 714 444	368 957	26 052	43.5	13	16.2	5.8
517	Petroleum and petroleum products .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
518	Beer, wine, and distilled alcoholic beverages .....	-	-	-	-	-	-	-
519	Miscellaneous nondurable goods .....	7 054 333	564 347	23 387	43.2	13	9.6	4.5
	Agents, brokers, and commission merchants .....	3 232 169	656 534	22 688	47.1	5	7.3	.3
50	Durable goods .....	2 416 112	554 211	21 379	49.4	4	7.8	.3
501	Motor vehicles and motor vehicle parts and supplies .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
502	Furniture and home furnishings .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
503	Lumber and other construction materials .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
504	Professional and commercial equipment and supplies .....	1 661 400	386 372	22 698	47.0	4	12.5	.3
505	Metals and minerals, except petroleum .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
506	Electrical goods .....	4 056 625	1 081 767	27 300	60.4	4	4.2	.3
507	Hardware, and plumbing and heating equipment and supplies .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
508	Machinery, equipment, and supplies .....	2 417 200	451 813	21 813	50.5	5	9.6	.8
509	Miscellaneous durable goods .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
51	Nondurable goods .....	5 003 610	814 079	24 702	44.3	6	6.8	.3
511	Paper and paper products .....	1 999 800	499 950	30 950	43.4	4	14.3	1.6
512	Drugs, drug proprietaries, and druggists' sundries .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
513	Apparel, piece goods, and notions .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
514	Groceries and related products .....	8 035 222	730 475	25 485	52.7	11	6.6	.3
515	Farm-product raw materials .....	-	-	-	-	-	-	-
516	Chemicals and allied products .....	1 034 571	381 158	29 053	56.4	3	13.5	.6
517	Petroleum and petroleum products .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
518	Beer, wine, and distilled alcoholic beverages .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
519	Miscellaneous nondurable goods .....	3 109 333	964 966	16 000	48.7	3	3.4	-

<sup>1</sup>Based on number of employees for pay period including March 12.



**Table 3. Comparative Statistics Based on 1972 Standard Industrial Classification for the State: 1987 and 1982**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms and comparability of 1982 and 1987 censuses, including revised methodology for presenting establishment counts, see appendix A]

1972 SIC code	1987 SIC code	Type of operation and kind of business	Establishments		Sales			Annual payroll			Paid employees for pay period including March 12	
			1987 (number)	1982 (number)	1987 (\$1,000)	1982 (\$1,000)	Percent change 1982 to 1987	1987 (\$1,000)	1982 (\$1,000)	Percent change 1982 to 1987	1987 (number)	1982 (number)
		Wholesale trade -----	1 708	1 627	6 049 252	4 970 198	21.7	489 068	307 097	59.3	22 174	17 743
50		Durable goods -----	1 098	1 036	2 876 725	1 932 562	48.9	307 968	180 773	70.4	13 763	10 731
501		Motor vehicles and automotive parts and supplies ---	149	157	419 904	431 015	-2.6	37 220	30 826	20.7	1 938	1 920
5012	5012	Automobiles and other motor vehicles -----	33	34	163 652	(D)	(D)	10 240	(D)	(D)	431	(D)
5013		Automotive parts and supplies -----	108	115	245 165	349 854	-29.9	25 945	24 346	6.6	1 449	1 494
	5013	Motor vehicle supplies and new parts -----	97	108	235 017	(D)	(D)	24 220	(D)	(D)	1 332	(D)
	5015 pt.	Motor vehicle parts, used -----	11	7	10 148	(D)	(D)	1 725	(D)	(D)	117	(D)
5014	5014	Tires and tubes -----	8	8	11 087	(D)	(D)	1 035	(D)	(D)	58	(D)
502		Furniture and home furnishings -----	35	29	78 571	50 334	56.1	9 810	5 135	91.0	439	293
5021	5021	Furniture -----	13	6	22 705	(D)	(D)	3 004	(D)	(D)	144	(D)
5023	5023	Home furnishings -----	22	23	55 866	(D)	(D)	6 806	(D)	(D)	295	(D)
503		Lumber and other construction materials -----	55	61	271 644	108 013	151.5	23 285	9 411	147.4	911	614
5031	5031	Lumber, plywood, millwork, and wood panels -----	16	18	140 798	43 181	226.1	9 332	2 735	241.2	388	160
5039		Construction materials, n.e.c. -----	39	43	130 846	64 832	101.8	13 953	6 676	109.0	523	454
	5032	Brck, stone, and related construction materials -----	11	18	41 391	16 525	150.5	3 748	1 417	164.5	170	102
	5033	Roofing, siding, and insulation materials -----	13	13	52 027	(D)	(D)	4 494	(D)	(D)	183	(D)
	5039	Construction materials, n.e.c. -----	15	12	37 428	(D)	(D)	5 711	(D)	(D)	170	(D)
504		Sporting, recreational, photographic, and hobby goods, toys and supplies -----	26	33	57 111	56 266	1.5	4 164	4 638	-10.2	192	301
5041	5091	Sporting and recreational goods and supplies -----	15	17	51 352	46 101	11.4	3 525	3 503	.6	149	224
5042	5092	Toys and hobby goods and supplies -----	7	9	3 130	5 013	-37.6	462	820	-43.7	30	56
5043	5043	Photographic equipment and supplies -----	4	7	2 629	5 152	-49.0	177	315	-43.8	13	21
505		Metals and minerals, except petroleum -----	40	34	236 525	135 989	73.9	24 496	12 411	97.4	890	616
5051	5051	Metals service centers and offices -----	39	34	(D)	135 989	(D)	(D)	12 411	(D)	(D)	616
5052	5052	Coal and other minerals and ores -----	1	-	(D)	-	(X)	(D)	-	(X)	(D)	-
506		Electrical goods -----	102	84	237 922	174 891	36.0	25 039	12 542	99.6	1 078	721
5063		Electrical apparatus and equipment, wiring supplies, and construction materials -----	56	50	144 814	105 770	36.9	15 333	8 157	88.0	698	461
	5063	Electrical apparatus and equipment, wiring supplies, and construction materials -----	45	(NA)	128 415	(NA)	(NA)	13 122	(NA)	(NA)	592	(NA)
	5065 pt.	Electronic parts and equipment, n.e.c. -----	4	(NA)	4 179	(NA)	(NA)	661	(NA)	(NA)	46	(NA)
	5084 pt.	Industrial machinery and equipment -----	7	(NA)	12 220	(NA)	(NA)	1 550	(NA)	(NA)	60	(NA)
5064	5064	Electrical appliances, television and radio sets -----	8	8	23 397	44 008	-46.8	1 882	1 842	2.2	79	101
5065	5065 pt.	Electronic parts and equipment, n.e.c. -----	38	26	69 711	25 113	177.6	7 824	2 543	207.7	301	159
507		Hardware, and plumbing and heating equipment and supplies -----	85	74	162 298	77 386	109.7	16 955	8 946	89.5	769	566
5072	5072	Hardware -----	30	21	67 149	15 889	322.6	6 306	2 322	171.6	318	143
5074	5074	Plumbing and heating equipment and supplies (hydronics) -----	40	40	75 902	49 502	53.3	7 876	5 347	47.3	347	352
5075	5075	Warm air heating and air-conditioning equipment and supplies -----	8	7	9 913	4 884	103.0	1 629	449	262.8	62	34
5078	5078	Refrigeration equipment and supplies -----	7	6	9 334	7 111	31.3	1 144	828	38.2	42	37
508		Machinery, equipment, and supplies -----	353	336	806 559	483 163	66.9	107 748	62 687	71.9	4 362	3 446
5081		Commercial machines and equipment -----	103	84	316 621	153 010	106.9	54 575	23 642	130.8	2 065	1 146
	5044	Office equipment -----	33	(NA)	61 201	(NA)	(NA)	16 601	(NA)	(NA)	681	(NA)
	5045	Computers and computer peripheral equipment and software -----	44	(NA)	187 920	(NA)	(NA)	25 978	(NA)	(NA)	881	(NA)
	5046	Commercial equipment, n.e.c. -----	26	22	67 500	43 184	56.3	11 996	5 178	131.7	503	267
5082	5082	Construction and mining (except petroleum) machinery and equipment -----	12	13	31 019	13 379	131.8	4 264	2 269	87.9	138	116
5083	5083	Farm and garden machinery and equipment -----	7	4	9 856	2 119	365.1	942	209	350.7	50	16
5084	5084 pt.	Industrial machinery and equipment -----	95	96	222 519	133 021	67.3	20 806	15 160	37.2	877	847
5085	5085	Industrial supplies -----	58	63	84 742	78 554	7.9	9 283	9 210	.8	397	487
5086		Professional equipment and supplies -----	36	40	75 520	70 413	7.3	10 746	7 670	40.1	538	556
	5047	Medical, dental, and hospital equipment and supplies -----	20	22	51 216	(D)	(D)	5 753	(D)	(D)	254	(D)
	5048	Ophthalmic goods -----	5	7	8 949	(D)	(D)	2 850	(D)	(D)	175	(D)
	5049	Professional equipment and supplies, n.e.c. -----	11	11	15 355	8 205	87.1	2 143	1 181	81.5	109	77
5087	5087	Service establishment equipment and supplies -----	33	27	53 797	27 633	94.7	6 325	3 821	65.5	263	237
5088	5088	Transportation equipment and supplies, except motor vehicles -----	9	9	12 485	5 034	148.0	807	706	14.3	34	41
509		Miscellaneous durable goods -----	253	228	606 191	415 505	45.9	59 251	34 177	73.4	3 184	2 254
5093	5093	Scrap and waste materials -----	48	55	169 786	92 314	83.9	11 548	7 133	61.9	503	484
5094	5094	Jewelry, watches, precious stones, and precious metals -----	177	146	415 361	308 365	34.7	45 145	25 321	78.3	2 517	1 633
5099	5099 pt.	Durable goods, n.e.c. -----	28	27	21 044	14 826	41.9	2 558	1 723	48.5	164	137

**Table 3. Comparative Statistics Based on 1972 Standard Industrial Classification for the State: 1987 and 1982—Con.**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms and comparability of 1982 and 1987 censuses, including revised methodology for presenting establishment counts, see appendix A]

1972 SIC code	1987 SIC code	Type of operation and kind of business	Establishments		Sales			Annual payroll			Paid employees for pay period including March 12	
			1987 (number)	1982 (number)	1987 (\$1,000)	1982 (\$1,000)	Percent change 1982 to 1987	1987 (\$1,000)	1982 (\$1,000)	Percent change 1982 to 1987	1987 (number)	1982 (number)
		<b>Wholesale trade—Con.</b>										
51		<b>Nondurable goods</b> .....	610	591	3 172 527	3 037 636	4.4	181 100	126 324	43.4	8 411	7 012
511		Paper and paper products .....	74	62	176 190	129 229	36.3	18 919	12 382	52.8	836	664
5111	5111	Printing and writing paper .....	9	14	57 518	39 087	47.2	4 245	3 576	18.7	144	163
5112	5112	Stationery and office supplies .....	39	26	67 206	46 967	43.1	8 487	4 978	70.5	425	298
5113	5113	Industrial and personal service paper .....	26	22	51 466	43 175	19.2	6 187	3 828	61.6	267	203
512		Drugs, drug proprietaries, and druggists' sundries .....	12	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5122	5122	Drugs, drug proprietaries, and druggists' sundries .....	12	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
513		Apparel, piece goods, and notions .....	43	48	145 577	171 468	-15.1	10 335	9 362	10.4	497	516
5133	5131 pt.	Piece goods .....	18	21	54 480	(D)	(D)	4 761	(D)	(D)	244	(D)
5134	5131 pt.	Notions and other dry goods .....	6	4	5 266	(D)	(D)	885	(D)	(D)	46	(D)
5136	5136	Men's and boys' clothing and furnishings .....	7	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5137	5137	Women's, children's, and infants' clothing and accessories .....	8	9	38 119	13 524	181.9	3 215	1 403	129.2	145	82
5139	5139	Footwear .....	4	4	(D)	5 684	(D)	(D)	230	(D)	(D)	13
514		Groceries and related products .....	213	211	1 243 351	941 422	32.1	86 557	45 966	44.8	3 603	2 817
5141	5141	Groceries, general line .....	12	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5142	5142	Packaged frozen foods .....	12	10	46 018	(D)	(D)	2 355	(D)	(D)	81	(D)
5143	5143	Dairy products, except dried or canned .....	13	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5144	5144	Poultry and poultry products .....	11	13	(D)	49 997	(D)	(D)	2 530	(D)	(D)	191
5145	5145	Confectionery .....	14	12	57 160	23 942	138.7	3 025	2 002	51.1	152	118
5146	5146	Fish and seafoods .....	55	35	191 698	68 920	178.1	10 324	3 871	166.7	573	310
5147	5147	Meats and meat products .....	29	31	228 061	126 708	80.0	9 009	5 229	72.3	432	376
5148	5148	Fresh fruits and vegetables .....	21	31	127 803	101 058	26.5	11 704	8 801	33.0	499	520
5149	5149	Groceries and related products, n.e.c. ....	46	55	146 682	(D)	(D)	13 132	(D)	(D)	560	(D)
515		Farm-product raw materials .....	2	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5152	5159 pt.	Cotton .....	-	-	-	-	-	-	-	-	-	-
5153	5153	Grain and field beans .....	1	-	(D)	-	(X)	(D)	-	(X)	(D)	-
5154	5154	Livestock .....	-	-	-	-	-	-	-	-	-	-
5159	5159 pt.	Farm-product raw materials, n.e.c. ....	1	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
516		Chemicals and allied products .....	62	63	234 142	169 209	38.4	22 945	15 275	50.2	805	667
5161		Chemicals and allied products .....	62	63	234 142	169 209	38.4	22 945	15 275	50.2	805	667
	5162	Plastics materials and basic forms and shapes .....	15	13	41 075	23 837	72.3	3 176	1 716	85.1	123	88
	5169	Chemicals and allied products, n.e.c. ....	47	50	193 067	145 372	32.8	19 769	13 559	45.8	682	579
517		Petroleum and petroleum products .....	36	35	753 831	1 172 081	-35.7	15 806	11 506	37.4	561	493
5171	5171	Petroleum bulk stations and terminals .....	24	21	715 585	925 552	-22.7	13 913	8 378	66.1	467	364
5172	5172	Petroleum and petroleum products wholesalers, except bulk stations and terminals .....	12	14	38 246	246 529	-84.5	1 893	3 128	-39.5	94	129
518		Beer, wine, and distilled alcoholic beverages .....	19	17	202 004	168 284	20.0	20 765	14 302	45.2	665	576
5181	5181	Beer and ale .....	8	6	100 031	84 515	18.4	10 858	8 020	35.4	287	298
5182	5182	Wine and distilled alcoholic beverages .....	11	11	101 973	83 769	21.7	9 907	6 282	57.7	378	278
519		Miscellaneous nondurable goods .....	149	142	293 741	244 973	19.9	21 276	15 035	41.5	1 245	1 132
5191	5191	Farm supplies .....	23	20	26 784	26 093	2.6	2 911	2 059	41.4	136	148
5194	5194	Tobacco and tobacco products .....	10	14	85 707	101 234	-15.3	2 770	2 967	-6.6	195	278
5198	5198	Paints, varnishes and supplies .....	10	13	8 700	8 076	7.7	998	1 041	-4.1	60	76
5199		Nondurable goods, n.e.c. ....	106	95	172 550	109 570	57.5	14 597	8 968	62.8	854	630
	5099 pt.	Durable goods, n.e.c. ....	7	(NA)	4 778	(NA)	(NA)	307	(NA)	(NA)	15	(NA)
	5192	Books, periodicals, and newspapers .....	9	13	21 587	13 384	61.3	2 703	1 550	74.4	130	105
	5193	Flowers, nursery stock, and florists' supplies .....	12	11	20 639	12 394	66.5	2 726	1 609	69.4	181	117
	5199	Nondurable goods, n.e.c. ....	78	(NA)	125 546	(NA)	(NA)	8 861	(NA)	(NA)	528	(NA)
		<b>Merchant wholesalers</b> .....	1 494	1 404	4 571 746	3 220 747	41.9	415 555	246 276	68.7	19 531	15 031
50		<b>Durable goods</b> .....	963	902	2 260 747	1 361 534	66.0	262 146	145 623	80.0	12 214	9 124
501		Motor vehicles and automotive parts and supplies .....	141	152	331 765	(D)	(D)	34 138	(D)	(D)	1 786	(D)
5012	5012	Automobiles and other motor vehicles .....	31	32	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5013		Automotive parts and supplies .....	102	112	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	5013	Motor vehicle supplies and new parts .....	91	105	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	5015 pt.	Motor vehicle parts, used .....	11	7	10 148	(D)	(D)	1 725	(D)	(D)	117	(D)
5014	5014	Tires and tubes .....	8	8	11 087	(D)	(D)	1 035	(D)	(D)	58	(D)
502		Furniture and homefurnishings .....	32	29	63 871	50 334	26.9	9 021	5 135	75.7	416	293
5021	5021	Furniture .....	12	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5023	5023	Homefurnishings .....	20	23	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
503		Lumber and other construction materials .....	51	60	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5031	5031	Lumber, plywood, millwork, and wood panels .....	14	18	(D)	43 181	(D)	(D)	2 735	(D)	(D)	160
5039		Construction materials, n.e.c. ....	37	42	116 657	(D)	(D)	13 854	(D)	(D)	518	(D)
	5032	Brick, stone, and related construction materials .....	10	18	(D)	16 525	(D)	(D)	1 417	(D)	(D)	102
	5033	Roofing, siding, and insulation materials .....	13	12	52 027	(D)	(D)	4 494	(D)	(D)	183	(D)
	5039	Construction materials, n.e.c. ....	14	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)



**Table 3. Comparative Statistics Based on 1972 Standard Industrial Classification for the State: 1987 and 1982—Con.**

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1972 SIC code	1987 SIC code	Type of operation and kind of business	Establishments		Sales			Annual payroll			Paid employees for pay period including March 12	
			1987 (number)	1982 (number)	1987 (\$1,000)	1982 (\$1,000)	Percent change 1982 to 1987	1987 (\$1,000)	1982 (\$1,000)	Percent change 1982 to 1987	1987 (number)	1982 (number)
		<b>Merchant wholesalers—Con.</b>										
50		<b>Durable goods—Con.</b>										
504		Sporting, recreational, photographic, and hobby goods, toys and supplies .....	24	24	(D)	38 401	(D)	(D)	3 995	(D)	(D)	278
5041	5091	Sporting and recreational goods and supplies .....	14	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5042	5092	Toys and hobby goods and supplies .....	7	8	3 130	(D)	(D)	462	(D)	(D)	30	(D)
5043	5043	Photographic equipment and supplies .....	3	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
505		Metals and minerals, except petroleum .....	34	27	135 236	97 423	38.8	14 951	7 396	102.1	606	408
5051	5051	Metals service centers and offices .....	33	27	(D)	97 423	(D)	(D)	7 396	(D)	(D)	408
5052	5052	Coal and other minerals and ores .....	1	-	(D)	-	(X)	(D)	-	(X)	(D)	-
506		Electrical goods .....	86	66	(D)	133 964	(D)	(D)	10 169	(D)	(D)	606
5063		Electrical apparatus and equipment, wiring supplies, and construction materials .....	48	39	(D)	72 412	(D)	(D)	6 161	(D)	(D)	369
	5063	Electrical apparatus and equipment, wiring supplies, and construction materials .....	39	(NA)	103 200	(NA)	(NA)	11 362	(NA)	(NA)	534	(NA)
	5065 pt.	Electronic parts and equipment, n.e.c. ....	4	(NA)	4 179	(NA)	(NA)	661	(NA)	(NA)	46	(NA)
	5084 pt.	Industrial machinery and equipment .....	5	(NA)	(D)	(NA)	(NA)	(D)	(NA)	(NA)	(D)	(NA)
5064	5064	Electrical appliances, television and radio sets .....	7	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5065	5065 pt.	Electronic parts and equipment, n.e.c. ....	31	21	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
507		Hardware, and plumbing and heating equipment and supplies .....	80	65	(D)	71 380	(D)	(D)	8 550	(D)	(D)	538
5072	5072	Hardware .....	27	16	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5074	5074	Plumbing and heating equipment and supplies (hydronics) .....	38	38	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5075	5075	Warm air heating and air-conditioning equipment and supplies .....	8	6	9 913	(D)	(D)	1 629	(D)	(D)	62	(D)
5078	5078	Refrigeration equipment and supplies .....	7	5	9 334	(D)	(D)	1 144	(D)	(D)	42	(D)
508		Machinery, equipment, and supplies .....	304	277	(D)	349 713	(D)	(D)	48 204	(D)	(D)	2 830
5081		Commercial machines and equipment .....	89	64	186 854	74 410	151.1	36 019	12 806	181.3	1 522	717
	5044	Office equipment .....	29	(NA)	(D)	(D)	(NA)	(D)	(NA)	(NA)	(D)	(NA)
	5045	Computers and computer peripheral equipment and software .....	35	(NA)	85 783	(NA)	(NA)	14 063	(NA)	(NA)	565	(NA)
	5046	Commercial equipment, n.e.c. ....	25	19	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5082	5082	Construction and mining (except petroleum) machinery and equipment .....	11	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5083	5083	Farm and garden machinery and equipment .....	7	4	9 856	2 119	365.1	942	209	350.7	50	16
5084	5084 pt.	Industrial machinery and equipment .....	78	74	(D)	105 019	(D)	(D)	13 062	(D)	(D)	745
5085	5085	Industrial supplies .....	53	56	62 306	61 891	.7	8 602	8 506	1.1	374	447
5086		Professional equipment and supplies .....	30	34	64 698	(D)	(D)	9 966	(D)	(D)	499	(D)
	5047	Medical, dental, and hospital equipment and supplies .....	17	21	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	5048	Ophthalmic goods .....	5	5	8 949	(D)	(D)	2 850	(D)	(D)	175	(D)
	5049	Professional equipment and supplies, n.e.c. ....	8	8	(D)	6 546	(D)	(D)	1 096	(D)	(D)	71
5087	5087	Service establishment equipment and supplies .....	28	25	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5088	5088	Transportation equipment and supplies, except motor vehicles .....	8	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
509		Miscellaneous durable goods .....	211	202	532 909	339 175	57.1	57 034	32 463	75.7	3 065	2 154
5093	5093	Scrap and waste materials .....	47	54	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5094	5094	Jewelry, watches, precious stones, and precious metals .....	143	124	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5099	5099 pt.	Durable goods, n.e.c. ....	21	24	17 858	(D)	(D)	2 337	(D)	(D)	151	(D)
51		<b>Nondurable goods.....</b>	<b>531</b>	<b>502</b>	<b>2 310 999</b>	<b>1 859 213</b>	<b>24.3</b>	<b>153 409</b>	<b>100 653</b>	<b>52.4</b>	<b>7 317</b>	<b>5 907</b>
511		Paper and paper products .....	63	51	137 481	84 458	62.8	16 647	9 732	71.1	761	570
5111	5111	Printing and writing paper .....	9	11	57 518	(D)	(D)	4 245	(D)	(D)	144	(D)
5112	5112	Stationery and office supplies .....	32	22	(D)	20 939	(D)	(D)	3 489	(D)	(D)	243
5113	5113	Industrial and personal service paper .....	22	18	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
512		Drugs, drug proprietaries, and druggists' sundries .....	10	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5122	5122	Drugs, drug proprietaries, and druggists' sundries ..	10	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
513		Apparel, piece goods, and notions .....	35	40	(D)	98 525	(D)	(D)	7 371	(D)	(D)	453
5133	5131 pt.	Piece goods .....	15	19	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5134	5131 pt.	Notions and other dry goods .....	5	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5136	5136	Men's and boys' clothing and furnishings .....	6	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5137	5137	Women's, children's, and infants' clothing and accessories .....	6	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5139	5139	Footwear .....	3	4	(D)	5 684	(D)	(D)	230	(D)	(D)	13
514		Groceries and related products .....	196	189	1 053 158	(D)	(D)	54 633	(D)	(D)	3 129	(D)
5141	5141	Groceries, general line .....	12	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5142	5142	Packaged frozen foods .....	10	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5143	5143	Dairy products, except dried or canned .....	12	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5144	5144	Poultry and poultry products .....	11	13	(D)	49 997	(D)	(D)	2 530	(D)	(D)	191
5145	5145	Confectionery .....	11	9	36 227	(D)	(D)	2 710	(D)	(D)	107	(D)



Table 3. **Comparative Statistics Based on 1972 Standard Industrial Classification for the State: 1987 and 1982—Con.**

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1972 SIC code	1987 SIC code	Type of operation and kind of business	Establishments		Sales			Annual payroll			Paid employees for pay period including March 12	
			1987 (number)	1982 (number)	1987 (\$1,000)	1982 (\$1,000)	Percent change 1982 to 1987	1987 (\$1,000)	1982 (\$1,000)	Percent change 1982 to 1987	1987 (number)	1982 (number)
		<b>Merchant wholesalers—Con.</b>										
51		<b>Nondurable goods—Con.</b>										
514		Groceries and related products—Con.										
5146	5146	Fish and seafoods .....	53	35	(D)	68 920	(D)	(D)	3 871	(D)	(D)	310
5147	5147	Meats and meat products .....	26	29	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5148	5148	Fresh fruits and vegetables .....	20	31	(D)	101 058	(D)	(D)	8 801	(D)	(D)	520
5149	5149	Groceries and related products, n.e.c. ....	41	42	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
515		Farm-product raw materials .....	2	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5152	5159 pt.	Cotton .....	-	-	-	-	-	-	-	-	-	-
5153	5153	Grain and field beans .....	1	-	(D)	-	(X)	(D)	-	(X)	(D)	-
5154	5154	Livestock .....	-	-	-	-	-	-	-	-	-	-
5159	5159 pt.	Farm-product raw materials, n.e.c. ....	1	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
516		Chemicals and allied products .....	46	48	184 470	142 240	29.7	19 397	12 879	50.6	671	571
5161		Chemicals and allied products .....	46	48	184 470	142 240	29.7	19 397	12 879	50.6	671	571
	5162	Plastics materials and basic forms and shapes ..	11	10	34 304	(D)	(D)	2 889	(D)	(D)	114	(D)
	5169	Chemicals and allied products, n.e.c. ....	35	38	150 166	(D)	(D)	16 508	(D)	(D)	557	(D)
517		Petroleum and petroleum products .....	27	23	346 812	305 354	13.6	10 565	4 784	120.8	384	255
5171	5171	Petroleum bulk stations and terminals .....	17	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5172	5172	Petroleum and petroleum products wholesalers, except bulk stations and terminals .....	10	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
518		Beer, wine, and distilled alcoholic beverages .....	18	16	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5181	5181	Beer and ale .....	7	6	(D)	84 515	(D)	(D)	8 020	(D)	(D)	298
5182	5182	Wine and distilled alcoholic beverages .....	11	10	101 973	(D)	(D)	9 907	(D)	(D)	378	(D)
519		Miscellaneous nondurable goods .....	134	123	223 431	(D)	(D)	19 058	(D)	(D)	1 141	(D)
5191	5191	Farm supplies .....	23	20	26 784	26 093	2.6	2 911	2 059	41.4	136	148
5194	5194	Tobacco and tobacco products .....	10	13	85 707	(D)	(D)	2 770	(D)	(D)	195	(D)
5198	5198	Paints, varnishes and supplies .....	7	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5199		Nondurable goods, n.e.c. ....	94	80	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	5099 pt.	Durable goods, n.e.c. ....	7	(NA)	4 778	(NA)	(NA)	307	(NA)	(NA)	15	(NA)
5192	5192	Books, periodicals, and newspapers .....	8	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5193	5193	Flowers, nursery stock, and florists' supplies ..	11	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5199	5199	Nondurable goods, n.e.c. ....	68	(NA)	(D)	(NA)	(NA)	(D)	(NA)	(NA)	(D)	(NA)
		<b>Manufacturers' sales branches and sales offices .....</b>	84	103	1 057 324	1 470 991	-28.1	58 993	52 198	13.0	2 003	2 298
50		<b>Durable goods .....</b>	46	51	400 944	399 213	.4	37 527	29 819	25.8	1 161	1 314
501	501 pt.	Motor vehicles and automotive parts and supplies ---	6	4	80 243	(D)	(D)	2 953	(D)	(D)	113	(D)
502	502	Furniture and home furnishings .....	1	-	(D)	-	(X)	(D)	-	(X)	(D)	-
503	503	Lumber and other construction materials .....	3	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
504		Sporting, recreational, photographic, and hobby goods, toys and supplies .....	1	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	504 pt.	Professional and commercial equipment and supplies .....	-	1	-	(D)	(D)	-	(D)	(D)	-	(D)
	509 pt.	Miscellaneous durable goods .....	1	-	(D)	-	(X)	(D)	-	(X)	(D)	-
505	505	Metals and minerals, except petroleum .....	3	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
506		Electrical goods .....	8	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	506	Electrical goods .....	6	(NA)	25 909	(NA)	(NA)	3 748	(NA)	(NA)	99	(NA)
	508 pt.	Machinery, equipment, and supplies .....	2	(NA)	(D)	(NA)	(NA)	(D)	(NA)	(NA)	(D)	(NA)
507	507	Hardware, and plumbing and heating equipment and supplies .....	2	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
508		Machinery, equipment, and supplies .....	20	26	(D)	83 452	(D)	(D)	12 278	(D)	(D)	511
	504 pt.	Professional and commercial equipment and supplies .....	11	15	125 475	(D)	(D)	18 391	(D)	(D)	541	(D)
	508 pt.	Machinery, equipment, and supplies .....	9	22	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
509	509 pt.	Miscellaneous durable goods .....	2	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
51		<b>Nondurable goods .....</b>	38	52	656 380	1 071 778	-38.8	21 466	22 379	-4.1	842	984
511	511	Paper and paper products .....	6	7	28 710	(D)	(D)	1 653	(D)	(D)	55	(D)
512	512	Drugs, drug proprietaries, and druggists' sundries ---	-	-	(D)	-	-	-	-	-	-	-
513	513	Apparel, piece goods, and notions .....	2	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
514	514	Groceries and related products .....	8	13	117 876	103 314	14.1	9 401	9 998	-6.0	375	519
515	515	Farm-product raw materials .....	-	-	-	-	-	-	-	-	-	-

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		<b>Manufacturers' sales branches and sales offices—Con.</b>										
51		<b>Nondurable goods—Con.</b>										
516	516	Chemicals and allied products .....	9	11	42 430	22 012	92.8	2 996	2 213	35.4	115	85
517	517	Petroleum and petroleum products .....	7	12	(D)	866 727	(D)	(D)	6 722	(D)	(D)	238
518	518	Beer, wine, and distilled alcoholic beverages .....	-	1	-	(D)	(D)	-	(D)	(D)	-	(D)
519	509 pt. 519	Miscellaneous nondurable goods .....	6	5	42 326	6 181	584.8	1 754	558	214.3	75	24
		Miscellaneous durable goods .....	-	(NA)	-	(NA)	(NA)	-	(NA)	(NA)	-	(NA)
		Miscellaneous nondurable goods .....	6	(NA)	42 326	(NA)	(NA)	1 754	(NA)	(NA)	75	(NA)
		<b>Agents, brokers, and commission merchants .....</b>	130	120	420 182	278 460	50.9	14 520	8 623	68.4	640	414
50		<b>Durable goods .....</b>	89	83	215 034	171 815	25.2	8 295	5 331	55.6	388	293
501	501 pt.	Motor vehicles and automotive parts and supplies ---	2	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
502	502	Furniture and home furnishings .....	2	-	(D)	-	(X)	(D)	-	(X)	(D)	-
503	503	Lumber and other construction materials .....	1	-	(D)	-	(X)	(D)	-	(X)	(D)	-
504	504 pt.	Sporting, recreational, photographic, and hobby goods, toys and supplies .....	1	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
		Professional and commercial equipment and supplies .....	1	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	509 pt.	Miscellaneous durable goods .....	-	7	-	(D)	(D)	-	(D)	(D)	-	(D)
505	505	Metals and minerals, except petroleum .....	3	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
506	506	Electrical goods .....	8	8	32 453	(D)	(D)	819	(D)	(D)	30	(D)
	508 pt.	Electrical goods .....	8	(NA)	32 453	(NA)	(NA)	819	(NA)	(NA)	30	(NA)
		Machinery, equipment, and supplies .....	-	(NA)	-	(NA)	(NA)	-	(NA)	(NA)	-	(NA)
507	507	Hardware, and plumbing and heating equipment and supplies .....	3	7	(D)	5 319	(D)	(D)	285	(D)	(D)	22
508	504 pt.	Machinery, equipment, and supplies .....	29	33	63 458	49 998	26.9	3 279	2 205	48.7	148	105
		Professional and commercial equipment and supplies .....	9	11	15 114	(D)	(D)	945	(D)	(D)	41	(D)
	508 pt.	Machinery, equipment, and supplies .....	20	44	48 344	(D)	(D)	2 334	(D)	(D)	107	(D)
509	509 pt.	Miscellaneous durable goods .....	40	21	(D)	72 423	(D)	(D)	1 474	(D)	(D)	81
51		<b>Nondurable goods .....</b>	41	37	205 148	106 645	92.4	6 225	3 292	89.1	252	121
511	511	Paper and paper products .....	5	4	9 999	(D)	(D)	619	(D)	(D)	20	(D)
512	512	Drugs, drug proprietaries, and druggists' sundries .....	2	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
513	513	Apparel, piece goods, and notions .....	6	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
514	514	Groceries and related products .....	9	9	72 317	15 736	359.6	2 523	437	477.3	99	24
515	515	Farm-product raw materials .....	-	-	-	-	-	-	-	-	-	-
516	516	Chemicals and allied products .....	7	4	7 242	4 957	46.1	552	183	201.6	19	11
517	517	Petroleum and petroleum products .....	2	-	(D)	-	(X)	(D)	-	(X)	(D)	-
518	518	Beer, wine, and distilled alcoholic beverages .....	1	-	(D)	-	(X)	(D)	-	(X)	(D)	-
519	509 pt. 519	Miscellaneous nondurable goods .....	9	14	27 984	(D)	(D)	464	(D)	(D)	29	(D)
		Miscellaneous durable goods .....	-	(NA)	-	(NA)	(NA)	-	(NA)	(NA)	-	(NA)
		Miscellaneous nondurable goods .....	9	(NA)	27 984	(NA)	(NA)	464	(NA)	(NA)	29	(NA)



Table 4. Summary Statistics Based on 1972 Standard Industrial Classification for Industries Having a Classification Change Between 1972 and 1987 for the State: 1987

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms and comparability of 1982 and 1987 censuses, including revised methodology for presenting establishment counts, see appendix A. For explanation of changes in kind-of-business classifications between 1982 and 1987, also see appendix A.]

1972 SIC code	1987 SIC code	Type of operation and kind of business	Estab- lish- ments (number)	Sales (\$1,000)	Annual payroll (\$1,000)	First quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Operating expenses (\$1,000)	End-of-1986 inventories (\$1,000)	End-of-1987 inventories (\$1,000)
		Wholesale trade -----	1 708	6 049 252	489 088	118 918	22 174	1 015 154	465 804	510 082
5013	5013 5015 pt.	Automotive parts and supplies ----- Motor vehicle parts and supplies ----- Motor vehicle parts, used -----	108 97 11	245 165 235 017 10 148	25 945 24 220 1 725	6 251 5 891 360	1 449 1 332 117	52 118 48 381 3 737	28 833 27 923 710	35 358 34 677 679
5039	5032 5033 5039	Construction materials, n.e.c. ----- Brick, stone, and related construction materials ----- Roofing, siding, and insulation materials ----- Construction materials, n.e.c. -----	39 11 13 15	130 846 41 391 52 027 37 428	13 953 3 748 4 494 5 711	2 933 768 912 1 253	523 170 183 170	30 195 7 646 11 569 10 980	11 107 3 221 8 105 1 781	11 745 3 778 5 894 2 075
5041 5042	5091 5092	Sporting and recreational goods and supplies ----- Toys and hobby goods and supplies -----	15 7	51 352 3 130	3 525 462	704 90	149 30	9 113 967	5 153 487	6 723 581
5063	5063 5065 pt. 5084 pt.	Electrical apparatus and equipment, wiring supplies, and construction equipment ----- Electrical apparatus and equipment, wiring supplies, and construction equipment ----- Electrical parts and equipment, n.e.c. ----- Industrial machinery and equipment -----	56 45 4 7	144 814 128 415 4 179 12 220	15 333 13 122 661 1 550	3 677 3 185 179 313	698 592 46 60	27 151 23 677 1 052 2 422	15 039 13 248 629 1 162	16 992 15 185 776 1 031
5065	5065 pt.	Electronic parts and equipment, n.e.c. -----	38	69 711	7 824	1 862	301	14 710	10 096	9 295
5081	5044 5045 5046	Commercial machines and equipment ----- Office equipment ----- Computers and computer peripheral equipment and software ----- Commercial equipment, n.e.c. -----	103 33 44 26	316 621 61 201 187 920 67 500	54 575 16 601 25 978 11 996	13 158 3 907 6 322 2 929	2 065 681 881 503	95 851 25 995 49 967 19 889	24 056 4 141 13 002 6 913	32 290 4 937 18 868 8 485
5084	5084 pt.	Industrial machinery and equipment -----	95	222 519	20 806	4 940	877	45 074	24 682	25 629
5086	5047 5048 5049	Professional equipment and supplies ----- Medical, dental, and hospital equipment and supplies -- Ophthalmic goods ----- Professional equipment and supplies, n.e.c. -----	36 20 5 11	75 520 51 216 8 949 15 355	10 746 5 753 2 850 2 143	2 385 1 267 665 453	538 254 175 109	21 330 11 876 5 302 4 152	10 897 7 329 1 020 2 548	8 911 5 110 1 078 2 723
5099 5133 5134 5152 5159	5099 pt. 5131 pt. 5131 pt. 5159 pt. 5159 pt.	Durable goods, n.e.c. ----- Piece goods ----- Notions and other dry goods ----- Cotton ----- Farm-product raw materials, n.e.c. -----	28 18 6 1 1	21 044 54 480 5 266 - (D)	2 558 4 761 885 - (D)	636 986 196 - (D)	164 244 46 - (D)	6 217 9 617 1 313 - (D)	956 9 871 266 - (D)	1 141 10 048 415 - (D)
5161	5162 5169	Chemicals and allied products ----- Plastics materials and basic forms and shapes ----- Chemicals and allied products, n.e.c. -----	62 15 47	234 142 41 075 193 067	22 945 3 176 19 769	5 606 633 4 973	805 123 682	52 950 6 912 46 038	16 241 3 286 12 955	17 295 3 657 13 638
5199	5099 pt. 5192 5193 5199	Nondurable goods, n.e.c. ----- Durable goods, n.e.c. ----- Books, periodicals, and newspapers ----- Flowers, nursery stock, and florists' supplies ----- Nondurable goods, n.e.c. -----	106 7 9 12 78	172 550 4 778 21 587 20 639 125 546	14 597 307 2 703 2 726 8 861	3 390 68 650 720 1 952	854 15 130 181 528	31 972 671 5 879 5 191 20 231	7 875 454 53 1 217 6 151	8 694 567 60 1 466 6 601
		Merchant Wholesalers -----	1 494	4 571 746	415 555	98 808	19 531	881 046	407 375	442 930
5013	5013 5015 pt.	Automotive parts and supplies ----- Motor vehicle parts and supplies ----- Motor vehicle parts, used -----	102 91 11	(D) (D) 10 148	(D) (D) 1 725	(D) (D) 360	(D) (D) 117	(D) (D) 3 737	(D) (D) 710	(D) (D) 879
5039	5032 5033 5039	Construction materials, n.e.c. ----- Brick, stone, and related construction materials ----- Roofing, siding, and insulation materials ----- Construction materials, n.e.c. -----	37 10 13 14	116 657 (D) 52 027 (D)	13 854 (D) 4 494 (D)	2 914 (D) 912 (D)	518 (D) 183 (D)	29 636 (D) 11 569 (D)	10 817 (D) 6 105 (D)	11 055 (D) 5 894 (D)
5041 5042	5091 5092	Sporting and recreational goods and supplies ----- Toys and hobby goods and supplies -----	14 7	(D) 3 130	(D) 462	(D) 90	(D) 30	(D) 967	(D) 487	(D) 561
5063	5063 5065 pt. 5084 pt.	Electrical apparatus and equipment, wiring supplies, and construction equipment ----- Electrical apparatus and equipment, wiring supplies, and construction equipment ----- Electrical parts and equipment, n.e.c. ----- Industrial machinery and equipment -----	48 39 4 5	(D) 103 200 4 179 (D)	(D) 11 362 661 (D)	(D) 2 794 179 (D)	(D) 534 46 (D)	(D) 20 588 1 052 (D)	(D) 11 619 629 (D)	(D) 13 396 776 (D)
5065	5065 pt.	Electronic parts and equipment, n.e.c. -----	31	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5081	5044 5045 5046	Commercial machines and equipment ----- Office equipment ----- Computers and computer peripheral equipment and software ----- Commercial equipment, n.e.c. -----	89 29 35 25	186 854 (D) 85 783 (D)	36 019 (D) 14 063 (D)	8 610 (D) 3 367 (D)	1 522 (D) 565 (D)	64 180 (D) 26 703 (D)	22 189 (D) 11 967 (D)	23 148 (D) 10 968 (D)
5084	5084 pt.	Industrial machinery and equipment -----	78	(D)	(D)	(D)	(D)	(D)	(D)	(D)
5086	5047 5048 5049	Professional equipment and supplies ----- Medical, dental, and hospital equipment and supplies -- Ophthalmic goods ----- Professional equipment and supplies, n.e.c. -----	30 17 5 8	84 698 (D) 8 949 (D)	9 968 (D) 2 850 (D)	2 193 (D) 665 (D)	499 (D) 175 (D)	19 250 (D) 5 302 (D)	9 389 (D) 1 020 (D)	7 344 (D) 1 078 (D)
5099 5133 5134 5152 5159	5099 pt. 5131 pt. 5131 pt. 5159 pt. 5159 pt.	Durable goods, n.e.c. ----- Piece goods ----- Notions and other dry goods ----- Cotton ----- Farm-product raw materials, n.e.c. -----	21 15 5 - 1	17 858 (D) (D) - (D)	2 337 (D) (D) - (D)	588 (D) (D) - (D)	151 (D) (D) - (D)	5 691 (D) (D) - (D)	931 (D) (D) - (D)	1 113 (D) (D) - (D)
5161	5162 5169	Chemicals and allied products ----- Plastics materials and basic forms and shapes ----- Chemicals and allied products, n.e.c. -----	46 11 35	184 470 34 304 150 166	19 397 2 889 18 508	4 685 590 4 095	871 114 557	45 085 6 253 38 832	14 001 3 286 10 715	14 810 3 657 11 153



**Table 4. Summary Statistics Based on 1972 Standard Industrial Classification for Industries Having a Classification Change Between 1972 and 1987 for the State: 1987—Con.**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms and comparability of 1982 and 1987 censuses, including revised methodology for presenting establishment counts, see appendix A. For explanation of changes in kind-of-business classifications between 1982 and 1987, also see appendix A.]

1972 SIC code	1987 SIC code	Type of operation and kind of business	Estab- lish- ments (number)	Sales (\$1,000)	Annual payroll (\$1,000)	First quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Operating expenses (\$1,000)	End-of-1986 inventories (\$1,000)	End-of-1987 inventories (\$1,000)
<b>Merchant Wholesalers—Con.</b>										
5199		Nondurable goods, n.e.c. -----	94	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	5099 pt.	Durable goods, n.e.c. -----	7	4 778	307	68	15	671	454	567
	5192	Books, periodicals, and newspapers -----	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	5193	Flowers, nursery stock, and florists' supplies -----	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	5199	Nondurable goods, n.e.c. -----	68	(D)	(D)	(D)	(D)	(D)	(D)	(D)
<b>Manufacturers' sales branches and offices ---</b>			<b>84</b>	<b>1 057 324</b>	<b>58 993</b>	<b>14 619</b>	<b>2 003</b>	<b>123 282</b>	<b>57 247</b>	<b>65 779</b>
501	501 pt.	Motor vehicles and automotive parts and supplies -----	6	80 243	2 953	937	113	7 397	8 800	3 419
504		Sporting, recreational, photographic and hobby goods, toys and supplies -----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	504 pt.	Professional and commercial equipment and supplies --	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	509 pt.	Miscellaneous durable goods -----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
506		Electrical goods -----	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	506	Electrical goods -----	6	25 909	3 748	940	99	6 602	1 749	1 814
	508 pt.	Machinery, equipment, and supplies -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
508		Machinery, equipment, and supplies -----	20	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	504 pt.	Professional and commercial equipment and supplies --	11	125 475	18 391	4 501	541	31 947	3 327	10 652
	508 pt.	Machinery, equipment, and supplies -----	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)
509	509 pt.	Miscellaneous durable goods -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
519		Miscellaneous nondurable goods -----	6	42 326	1 754	383	75	4 064	2 095	1 896
	509 pt.	Miscellaneous durable goods -----	6	42 326	1 754	383	75	4 064	2 095	1 896
	519	Miscellaneous nondurable goods -----	6	42 326	1 754	383	75	4 064	2 095	1 896
<b>Agents, brokers, and commission merchants --</b>			<b>130</b>	<b>420 182</b>	<b>14 520</b>	<b>3 691</b>	<b>640</b>	<b>30 826</b>	<b>982</b>	<b>1 353</b>
501	501 pt.	Motor vehicles and automotive parts and supplies -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
504		Sporting, recreational, photographic and hobby goods, toys and supplies -----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	504 pt.	Professional and commercial equipment and supplies --	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	509 pt.	Miscellaneous durable goods -----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
506		Electrical goods -----	8	32 453	819	178	30	1 357	444	460
	506	Electrical goods -----	8	32 453	819	178	30	1 357	444	460
	508 pt.	Machinery, equipment, and supplies -----	20	48 344	2 334	515	107	4 624	396	403
508		Machinery, equipment, and supplies -----	29	63 458	3 279	754	148	6 428	444	460
	504 pt.	Professional and commercial equipment and supplies --	9	15 114	945	239	41	1 804	48	57
	508 pt.	Machinery, equipment, and supplies -----	20	48 344	2 334	515	107	4 624	396	403
509	509 pt.	Miscellaneous durable goods -----	40	(D)	(D)	(D)	(D)	(D)	(D)	(D)
519		Miscellaneous nondurable goods -----	9	27 984	464	117	29	953	--	--
	509 pt.	Miscellaneous durable goods -----	9	27 984	464	117	29	953	--	--
	519	Miscellaneous nondurable goods -----	9	27 984	464	117	29	953	--	--

**Table 5. Summary Statistics for Counties and for Places With 2,500 Inhabitants or More: 1987**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms and comparability of 1982 and 1987 censuses, including revised methodology for presenting establishment counts, see appendix A. For information on geographic areas followed by ▲, see appendix F]

Geographic area	Estab- lish- ments (number)	Sales (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Merchant wholesalers				Other operating types	
					Estab- lish- ments (number)	Sales (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Estab- lish- ments (number)	Sales (\$1,000)
<b>Rhode Island</b> .....	<b>1 724</b>	<b>6 056 691</b>	<b>490 802</b>	<b>22 284</b>	<b>1 510</b>	<b>4 579 185</b>	<b>417 289</b>	<b>19 641</b>	<b>214</b>	<b>1 477 506</b>
Bristol County .....	51	62 651	4 551	234	44	58 519	4 301	218	7	4 132
Barnington town .....	19	(D)	(D)	(D)	13	(D)	(D)	(D)	6	(D)
Bristol town .....	19	(D)	(D)	(D)	18	30 789	1 689	98	1	(D)
Warren town .....	13	(D)	(D)	(D)	13	(D)	(D)	(D)	-	-
<b>Kent County</b> .....	<b>277</b>	<b>853 628</b>	<b>71 474</b>	<b>3 068</b>	<b>232</b>	<b>667 859</b>	<b>59 684</b>	<b>2 634</b>	<b>45</b>	<b>185 769</b>
Coventry town .....	25	(D)	(D)	(D)	22	(D)	(D)	(D)	3	(D)
East Greenwich town .....	19	111 907	7 768	221	11	(D)	(D)	(D)	8	(D)
Warwick .....	198	606 012	52 176	2 244	170	493 383	47 151	2 046	28	112 629
West Warwick town .....	32	81 022	7 199	380	27	69 547	6 711	323	5	11 475
Balance of county .....	3	(D)	(D)	(D)	2	(D)	(D)	(D)	1	(D)
<b>Newport County</b> .....	<b>80</b>	<b>153 503</b>	<b>9 018</b>	<b>394</b>	<b>69</b>	<b>98 767</b>	<b>7 626</b>	<b>338</b>	<b>11</b>	<b>54 736</b>
Middletown town .....	11	(D)	(D)	(D)	11	(D)	(D)	(D)	-	-
Newport .....	31	71 523	4 451	167	24	39 686	3 647	139	7	31 837
Portsmouth town .....	10	24 729	658	43	9	(D)	(D)	(D)	1	(D)
Tiverton town .....	21	(D)	(D)	(D)	20	(D)	(D)	(D)	1	(D)
Balance of county .....	7	(D)	(D)	(D)	5	(D)	(D)	(D)	2	(D)
<b>Providence County</b> .....	<b>1 212</b>	<b>4 809 618</b>	<b>388 373</b>	<b>17 712</b>	<b>1 069</b>	<b>3 608 773</b>	<b>329 523</b>	<b>15 655</b>	<b>143</b>	<b>1 200 845</b>
Burnville town .....	8	(D)	(D)	(D)	8	(D)	(D)	(D)	-	-
Central Falls .....	20	41 604	5 940	342	19	(D)	(D)	(D)	1	(D)
Cranston .....	169	459 364	43 159	1 983	144	396 329	39 787	1 807	25	63 035
Cumberland town .....	37	(D)	(D)	(D)	31	(D)	(D)	(D)	6	(D)
East Providence .....	157	717 895	64 450	2 393	132	376 634	48 095	1 864	25	341 261
Johnston town .....	57	79 562	9 085	408	54	77 212	8 988	400	3	2 350
Lincoln town .....	39	312 652	18 028	772	32	225 635	15 551	687	7	87 017
North Providence town .....	28	61 173	3 320	192	22	(D)	(D)	(D)	6	(D)
Pawtucket .....	125	345 808	37 025	1 775	116	326 810	35 648	1 709	9	18 998
Providence .....	438	1 965 364	155 061	6 923	388	1 416 224	123 916	5 877	50	549 140
Smithfield town .....	42	81 345	8 166	479	40	(D)	(D)	(D)	2	(D)
Woonsocket .....	34	109 530	6 848	323	32	(D)	(D)	(D)	2	(D)
Balance of county .....	58	160 921	18 044	875	51	(D)	(D)	(D)	7	(D)
<b>Washington County</b> .....	<b>104</b>	<b>177 291</b>	<b>17 386</b>	<b>876</b>	<b>96</b>	<b>145 267</b>	<b>16 155</b>	<b>796</b>	<b>8</b>	<b>32 024</b>
Narragansett town .....	18	(D)	(D)	(D)	18	(D)	(D)	(D)	-	-
North Kingstown town .....	36	(D)	(D)	(D)	30	40 917	4 655	217	6	(D)
South Kingstown town .....	19	35 505	2 570	159	18	(D)	(D)	(D)	1	(D)
Westerly town .....	19	47 549	3 917	204	18	(D)	(D)	(D)	1	(D)
Balance of county .....	12	(D)	(D)	(D)	12	(D)	(D)	(D)	-	-

**Table 6. Summary Statistics for Places With 200 Establishments or More: 1987**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms and comparability of 1982 and 1987 censuses, including revised methodology for presenting establishment counts, see appendix A. For information on geographic areas followed by ▲, see appendix F]

1987 SIC code	Geographic area and kind of business	Estab- lish- ments (number)	Sales (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Merchant wholesalers				Other operating types	
						Estab- lish- ments (number)	Sales (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Estab- lish- ments (number)	Sales (\$1,000)
	<b>PROVIDENCE</b>										
	Wholesale trade .....	438	1 965 364	155 061	6 923	388	1 416 224	123 916	5 877	50	549 140
50	Durable goods .....	287	825 476	96 352	4 476	251	588 904	75 658	3 798	36	236 572
501	Motor vehicles and motor vehicle parts and supplies .....	25	40 340	6 113	344	24	(D)	(D)	(D)	1	(D)
502	Furniture and homefurnishings .....	11	26 300	2 942	135	9	(D)	(D)	(D)	2	(D)
503	Lumber and other construction materials .....	13	45 830	2 391	115	9	(D)	(D)	(D)	4	(D)
504	Professional and commercial equipment and supplies .....	39	183 097	25 068	895	36	(D)	(D)	(D)	3	(D)
505	Metals and minerals, except petroleum .....	13	76 624	7 009	248	11	(D)	(D)	(D)	2	(D)
506	Electrical goods .....	20	59 268	7 640	338	19	(D)	(D)	(D)	1	(D)
507	Hardware, and plumbing and heating equipment and supplies .....	20	50 822	5 750	262	20	50 822	5 750	262	-	-
508	Machinery, equipment, and supplies .....	53	92 456	10 476	512	44	55 536	8 656	420	9	36 920
509	Miscellaneous durable goods .....	93	250 739	28 963	1 627	79	218 502	27 896	1 563	14	32 237
51	Nondurable goods .....	151	1 139 888	58 709	2 447	137	827 320	48 258	2 079	14	312 568
511	Paper and paper products .....	16	29 210	3 998	163	14	(D)	(D)	(D)	2	(D)
512	Drugs, drug proprietaries, and druggists' sundries ..	3	(D)	(D)	(D)	3	(D)	(D)	(D)	-	-
513	Apparel, piece goods, and notions .....	11	(D)	(D)	(D)	10	(D)	(D)	(D)	1	(D)
514	Groceries and related products .....	66	324 613	17 807	907	61	(D)	(D)	(D)	5	(D)
515	Farm-product raw materials .....	-	-	-	-	-	-	-	-	-	-
516	Chemicals and allied products .....	16	63 809	9 355	325	15	(D)	(D)	(D)	1	(D)
517	Petroleum and petroleum products .....	12	495 485	9 428	267	9	(D)	(D)	(D)	3	(D)
518	Beer, wine, and distilled alcoholic beverages .....	7	96 798	10 107	319	7	96 798	10 107	319	-	-
519	Miscellaneous nondurable goods .....	20	36 933	3 356	219	18	(D)	(D)	(D)	2	(D)



**Table 7. Summary Statistics for Counties With 200 Establishments or More: 1987**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms and comparability of 1982 and 1987 censuses, including revised methodology for presenting establishment counts, see appendix A. For information on geographic areas followed by Δ, see appendix F]

1987 SIC code	Geographic area and kind of business	Estab- lish- ments (number)	Sales (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Merchant wholesalers				Other operating types	
						Estab- lish- ments (number)	Sales (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Estab- lish- ments (number)	Sales (\$1,000)
	<b>KENT COUNTY</b>										
	Wholesale trade .....	277	853 628	71 474	3 068	232	667 859	59 684	2 634	45	185 769
50	Durable goods .....	185	476 702	43 576	1 829	154	333 682	33 607	1 458	31	143 020
501	Motor vehicles and motor vehicle parts and supplies .....	33	123 751	7 265	333	29	(D)	(D)	(D)	4	(D)
502	Furniture and homefurnishings .....	4	(D)	(D)	(D)	3	(D)	(D)	(D)	1	(D)
503	Lumber and other construction materials .....	9	66 164	2 923	116	9	66 164	2 923	116	-	-
504	Professional and commercial equipment and supplies .....	26	41 675	7 758	341	20	(D)	(D)	(D)	6	(D)
505	Metals and minerals, except petroleum .....	6	(D)	(D)	(D)	5	(D)	(D)	(D)	1	(D)
506	Electrical goods .....	18	35 797	2 986	164	14	21 210	2 229	138	4	14 587
507	Hardware, and plumbing and heating equipment and supplies .....	12	(D)	(D)	(D)	10	(D)	(D)	(D)	2	(D)
508	Machinery, equipment, and supplies .....	44	73 348	7 652	323	39	71 128	7 340	311	5	2 220
509	Miscellaneous durable goods .....	33	42 596	3 863	198	25	(D)	(D)	(D)	8	(D)
51	Nondurable goods .....	92	376 926	27 898	1 239	78	334 177	26 077	1 176	14	42 749
511	Paper and paper products .....	12	56 162	5 871	270	11	(D)	(D)	(D)	1	(D)
512	Drugs, drug proprietaries, and druggists' sundries ..	1	(D)	(D)	(D)	1	(D)	(D)	(D)	-	-
513	Apparel, piece goods, and notions .....	3	(D)	(D)	(D)	3	(D)	(D)	(D)	-	-
514	Groceries and related products .....	27	144 003	6 115	290	24	(D)	(D)	(D)	3	(D)
515	Farm-product raw materials .....	-	-	-	-	-	-	-	-	-	-
516	Chemicals and allied products .....	13	68 352	5 766	191	10	(D)	(D)	(D)	3	(D)
517	Petroleum and petroleum products .....	5	(D)	(D)	(D)	4	(D)	(D)	(D)	1	(D)
518	Beer, wine, and distilled alcoholic beverages .....	4	(D)	(D)	(D)	4	(D)	(D)	(D)	-	-
519	Miscellaneous nondurable goods .....	27	43 412	3 802	261	21	36 171	3 397	237	6	7 241
	<b>PROVIDENCE COUNTY</b>										
	Wholesale trade .....	1 212	4 809 618	388 373	17 712	1 069	3 608 773	329 523	15 655	143	1 200 845
50	Durable goods .....	802	2 232 808	249 669	11 317	711	1 805 771	214 871	10 181	91	427 037
501	Motor vehicles and motor vehicle parts and supplies .....	104	272 201	28 119	1 501	100	(D)	(D)	(D)	4	(D)
5012	Automobiles and other motor vehicles .....	15	55 604	3 556	141	15	55 604	3 556	141	-	(D)
5013	Motor vehicle supplies and new parts .....	67	192 569	20 837	1 136	63	(D)	(D)	(D)	4	(D)
5014	Tires and tubes .....	6	(D)	(D)	(D)	6	(D)	(D)	(D)	-	-
5015	Motor vehicle parts, used .....	16	(D)	(D)	(D)	16	(D)	(D)	(D)	-	-
502	Furniture and homefurnishings .....	25	64 606	8 570	382	23	(D)	(D)	(D)	2	(D)
5021	Furniture .....	12	(D)	(D)	(D)	11	(D)	(D)	(D)	1	(D)
5023	Homefurnishings .....	13	(D)	(D)	(D)	12	(D)	(D)	(D)	1	(D)
503	Lumber and other construction materials .....	39	185 039	18 335	708	35	(D)	(D)	(D)	4	(D)
5031	Lumber, plywood, millwork, and wood panels .....	10	(D)	(D)	(D)	8	(D)	(D)	(D)	2	(D)
5032	Brick, stone, and related construction materials ..	9	34 443	2 983	136	8	(D)	(D)	(D)	1	(D)
5033	Roofing, siding, and insulation materials .....	10	(D)	(D)	(D)	10	(D)	(D)	(D)	-	-
5039	Construction materials, n.e.c. ....	10	(D)	(D)	(D)	9	(D)	(D)	(D)	1	(D)
504	Professional and commercial equipment and supplies .....	104	343 732	55 657	2 201	91	216 664	37 568	1 676	13	127 068
5043	Photographic equipment and supplies .....	3	(D)	(D)	(D)	2	(D)	(D)	(D)	1	(D)
5044	Office equipment .....	24	54 707	14 647	585	21	(D)	(D)	(D)	3	(D)
5045	Computers and computer peripheral equipment and software .....	34	175 010	23 721	803	27	(D)	(D)	(D)	7	(D)
5046	Commercial equipment, n.e.c. ....	21	61 652	11 040	474	21	61 652	11 040	474	-	-
5047	Medical, dental, and hospital equipment and supplies .....	12	34 747	3 046	160	10	(D)	(D)	(D)	2	(D)
5048	Ophthalmic goods .....	3	(D)	(D)	(D)	3	(D)	(D)	(D)	-	-
5049	Professional equipment and supplies, n.e.c. ....	7	(D)	(D)	(D)	7	(D)	(D)	(D)	-	-
505	Metals and minerals, except petroleum .....	30	162 703	16 326	653	27	(D)	(D)	(D)	3	(D)
5051	Metals service centers and offices .....	29	(D)	(D)	(D)	26	(D)	(D)	(D)	3	(D)
5052	Coal and other minerals and ores .....	1	(D)	(D)	(D)	1	(D)	(D)	(D)	-	-
506	Electrical goods .....	69	168 689	18 926	795	59	124 914	15 116	692	10	43 775
5063	Electrical apparatus and equipment, wiring supplies, and construction materials .....	32	106 725	11 331	494	27	(D)	(D)	(D)	5	(D)
5064	Electrical appliances, television and radio sets ...	7	(D)	(D)	(D)	6	(D)	(D)	(D)	1	(D)
5065	Electronic parts and equipment, n.e.c. ....	30	(D)	(D)	(D)	26	26 030	3 936	187	4	(D)
507	Hardware, and plumbing and heating equipment and supplies .....	64	127 166	13 431	635	61	(D)	(D)	(D)	3	(D)
5072	Hardware .....	22	61 750	5 513	289	19	(D)	(D)	(D)	3	(D)
5074	Plumbing and heating equipment and supplies (hydronics) .....	28	(D)	(D)	(D)	28	(D)	(D)	(D)	-	-
5075	Warm air heating and air-conditioning equipment and supplies .....	7	(D)	(D)	(D)	7	(D)	(D)	(D)	-	-
5078	Refrigeration equipment and supplies .....	7	9 334	1 144	42	7	9 334	1 144	42	-	-
508	Machinery, equipment, and supplies .....	146	315 410	32 212	1 334	126	241 686	27 951	1 154	20	73 724
5082	Construction and mining (except petroleum) machinery and equipment .....	7	18 916	3 179	93	6	(D)	(D)	(D)	1	(D)
5083	Farm and garden machinery and equipment .....	4	3 767	341	14	4	3 767	341	14	-	-
5084	Industrial machinery and equipment .....	67	171 404	15 314	674	56	(D)	(D)	(D)	11	(D)
5085	Industrial supplies .....	41	65 482	7 361	315	38	(D)	(D)	(D)	3	(D)
5087	Service establishment equipment and supplies ...	24	48 432	5 820	232	20	(D)	(D)	(D)	4	(D)
5088	Transportation equipment and supplies, except motor vehicles .....	3	7 409	197	6	2	(D)	(D)	(D)	1	(D)



**Table 7. Summary Statistics for Counties With 200 Establishments or More: 1987—Con.**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms and comparability of 1982 and 1987 censuses, including revised methodology for presenting establishment counts, see appendix A. For information on geographic areas followed by ▲, see appendix F]

1987 SIC code	Geographic area and kind of business	Estab- lish- ments (number)	Sales (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Merchant wholesalers				Other operating types	
						Estab- lish- ments (number)	Sales (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Estab- lish- ments (number)	Sales (\$1,000)
	<b>PROVIDENCE COUNTY—Con.</b>										
50	<b>Durable goods—Con.</b>										
509	Miscellaneous durable goods .....	221	593 262	58 093	3 108	189	533 730	56 217	3 010	32	59 532
5091	Sporting and recreational goods and supplies .....	5	24 695	2 410	109	5	24 695	2 410	109	-	-
5092	Toys and hobby goods and supplies .....	3	(D)	(D)	(D)	3	(D)	(D)	(D)	-	-
5093	Scrap and waste materials .....	37	166 919	11 244	479	36	(D)	(D)	(D)	1	(D)
5094	Jewelry, watches, precious stones, and precious metals .....	149	(D)	(D)	(D)	123	319 011	39 814	2 251	26	(D)
5099	Durable goods, n.e.c. ....	27	24 286	2 695	165	22	(D)	(D)	(D)	5	(D)
51	<b>Nondurable goods .....</b>	410	2 576 810	138 704	6 395	358	1 803 002	114 652	5 474	52	773 808
511	Paper and paper products .....	56	116 836	12 661	539	47	(D)	(D)	(D)	9	(D)
5111	Printing and writing paper .....	6	(D)	(D)	(D)	6	(D)	(D)	(D)	-	-
5112	Stationery and office supplies .....	30	(D)	(D)	(D)	24	(D)	(D)	(D)	6	(D)
5113	Industrial and personal service paper .....	20	(D)	(D)	(D)	17	26 716	3 876	175	3	(D)
512	Drugs, drug proprietaries, and druggists' sundries ..	11	(D)	(D)	(D)	9	(D)	(D)	(D)	2	(D)
5122	Drugs, drug proprietaries, and druggists' sundries .....	11	(D)	(D)	(D)	9	(D)	(D)	(D)	2	(D)
513	Apparel, piece goods, and notions .....	33	(D)	(D)	(D)	29	(D)	(D)	(D)	4	(D)
5131	Piece goods, notions, and other dry goods .....	18	36 318	4 574	222	17	(D)	(D)	(D)	1	(D)
5136	Men's and boys' clothing and furnishings .....	5	(D)	(D)	(D)	4	(D)	(D)	(D)	1	(D)
5137	Women's, children's and infants' clothing and accessories .....	7	(D)	(D)	(D)	6	(D)	(D)	(D)	1	(D)
5139	Footwear .....	3	(D)	(D)	(D)	2	(D)	(D)	(D)	1	(D)
514	Groceries and related products .....	136	978 901	51 964	2 864	125	(D)	(D)	(D)	11	(D)
5141	Groceries, general line .....	7	(D)	(D)	(D)	7	(D)	(D)	(D)	-	-
5142	Packaged frozen foods .....	5	9 038	629	37	4	(D)	(D)	(D)	1	(D)
5143	Dairy products, except dried or canned .....	9	35 606	3 014	165	8	(D)	(D)	(D)	1	(D)
5144	Poultry and poultry products .....	10	(D)	(D)	(D)	10	(D)	(D)	(D)	-	-
5145	Confectionery .....	11	52 995	2 933	143	9	(D)	(D)	(D)	2	(D)
5146	Fish and seafoods .....	10	(D)	(D)	(D)	10	(D)	(D)	(D)	-	-
5147	Meats and meat products .....	24	206 709	8 531	410	23	(D)	(D)	(D)	1	(D)
5148	Fresh fruits and vegetables .....	20	(D)	(D)	(D)	19	(D)	(D)	(D)	1	(D)
5149	Groceries and related products, n.e.c. ....	40	134 459	11 677	505	35	(D)	(D)	(D)	5	(D)
515	Farm-product raw materials .....	2	(D)	(D)	(D)	2	(D)	(D)	(D)	-	-
5153	Grain and field beans .....	1	(D)	(D)	(D)	1	(D)	(D)	(D)	-	-
5154	Livestock .....	-	-	-	-	-	-	-	-	-	-
5159	Farm-product raw materials, n.e.c. ....	1	(D)	(D)	(D)	1	(D)	(D)	(D)	-	-
516	Chemicals and allied products .....	40	149 022	16 270	575	30	105 063	13 111	454	10	43 959
5162	Plastics materials and basic forms and shapes .....	7	21 332	1 860	68	5	(D)	(D)	(D)	2	(D)
5169	Chemicals and allied products, n.e.c. ....	33	127 690	14 410	507	25	(D)	(D)	(D)	8	(D)
517	Petroleum and petroleum products .....	25	727 269	13 582	457	18	327 383	8 984	309	7	399 886
5171	Petroleum bulk stations and terminals .....	16	(D)	(D)	(D)	11	(D)	(D)	(D)	5	(D)
5172	Petroleum and petroleum products wholesalers, except bulk stations and terminals .....	9	(D)	(D)	(D)	7	(D)	(D)	(D)	2	(D)
518	Beer, wine, and distilled alcoholic beverages .....	13	146 332	15 438	483	13	146 332	15 438	483	-	-
5181	Beer and ale .....	5	(D)	(D)	(D)	5	(D)	(D)	(D)	-	-
5182	Wine and distilled alcoholic beverages .....	8	(D)	(D)	(D)	8	(D)	(D)	(D)	-	-
519	Miscellaneous nondurable goods .....	94	223 224	15 642	880	85	160 155	13 829	800	9	63 069
5191	Farm supplies .....	13	20 145	2 061	99	13	20 145	2 061	99	-	-
5192	Books, periodicals, and newspapers .....	6	20 627	2 602	122	5	(D)	(D)	(D)	1	(D)
5193	Flowers, nursery stock, and florists' supplies .....	9	(D)	(D)	(D)	8	(D)	(D)	(D)	1	(D)
5194	Tobacco and tobacco products .....	6	(D)	(D)	(D)	6	(D)	(D)	(D)	-	-
5198	Paints, varnishes, and supplies .....	5	(D)	(D)	(D)	4	(D)	(D)	(D)	1	(D)
5199	Nondurable goods, n.e.c. ....	55	112 499	7 692	408	49	(D)	(D)	(D)	6	(D)

**Table 8. Summary Statistics for Metropolitan Statistical Areas: 1987**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms and comparability of 1982 and 1987 censuses, including revised methodology for presenting establishment counts, see appendix A. For definitions of CMSA's, MSA's, and PMSA's, see appendix D]

1987 SIC code	Geographic area and kind of business	Estab- lish- ments (number)	Sales (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Merchant wholesalers				Other operating types	
						Estab- lish- ments (number)	Sales (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Estab- lish- ments (number)	Sales (\$1,000)
	<b>NEW LONDON-NORWICH, CT-RI MSA</b>										
	Wholesale trade .....	266	659 353	65 907	2 794	247	544 417	61 716	2 595	19	114 936
50	Durable goods .....	176	325 939	37 202	1 545	169	(D)	(D)	(D)	7	(D)
501	Motor vehicles and motor vehicle parts and supplies .....	41	39 967	5 652	303	41	39 967	5 652	303	-	-
502	Furniture and homefurnishings .....	4	(D)	(D)	(D)	4	(D)	(D)	(D)	-	-
503	Lumber and other construction materials .....	9	17 325	2 100	71	8	(D)	(D)	(D)	1	(D)
504	Professional end commercial equipment and supplies .....	25	25 032	4 077	199	24	(D)	(D)	(D)	1	(D)
505	Metals and minerals, except petroleum .....	5	(D)	(D)	(D)	4	(D)	(D)	(D)	1	(D)
506	Electrical goods .....	26	67 125	8 149	290	24	(D)	(D)	(D)	2	(D)
507	Hardware, and plumbing and heating equipment and supplies .....	15	57 379	5 532	202	14	(D)	(D)	(D)	1	(D)
508	Machinery, equipment, and supplies .....	32	67 330	8 710	330	32	67 330	8 710	330	-	-
509	Miscellaneous durable goods .....	19	10 778	1 705	101	18	(D)	(D)	(D)	1	(D)
51	Nondurable goods .....	90	333 414	28 705	1 249	78	(D)	(D)	(D)	12	(D)
511	Paper and paper products .....	13	46 524	5 581	250	12	(D)	(D)	(D)	1	(D)
512	Drugs, drug proprietaries, and druggists' sundries .....	2	(D)	(D)	(D)	2	(D)	(D)	(D)	-	-
513	Apparel, piece goods, and notions .....	4	(D)	(D)	(D)	3	276	43	7	1	(D)
514	Groceries and related products .....	27	81 357	8 256	418	23	58 091	6 097	321	4	23 266
515	Ferm-product raw materials .....	1	(D)	(D)	(D)	1	(D)	(D)	(D)	-	-
516	Chemicals and allied products .....	4	(D)	(D)	(D)	3	(D)	(D)	(D)	1	(D)
517	Petroleum and petroleum products .....	10	86 852	5 501	142	9	(D)	(D)	(D)	1	(D)
518	Beer, wine, and distilled alcoholic beverages .....	6	36 903	4 578	131	6	36 903	4 578	131	-	-
519	Miscellaneous nondurable goods .....	23	59 598	3 498	212	19	58 187	3 388	201	4	1 411
	<b>PROVIDENCE-PAWTUCKET-FALL RIVER, RI-MA CMSA</b>										
	Wholesale trade .....	1 932	6 845 332	554 036	25 357	1 700	(D)	(D)	(D)	232	(D)
50	Durable goods .....	1 281	3 304 765	351 186	15 899	1 131	(D)	(D)	(D)	150	(D)
501	Motor vehicles and motor vehicle parts and supplies .....	197	475 281	45 358	2 392	188	384 874	41 841	2 220	9	90 407
5012	Automobiles and other motor vehicles .....	43	(D)	(D)	(D)	40	153 688	9 984	396	3	(D)
5013	Motor vehicle supplies and new parts .....	113	266 715	28 703	1 558	107	(D)	(D)	(D)	6	(D)
5014	Tires and tubes .....	8	(D)	(D)	(D)	8	(D)	(D)	(D)	-	-
5015	Motor vehicle parts, used .....	33	21 066	4 111	277	33	21 066	4 111	277	-	-
502	Furniture and homefurnishings .....	39	(D)	(D)	(D)	36	(D)	(D)	(D)	3	(D)
5021	Furniture .....	15	(D)	(D)	(D)	14	(D)	(D)	(D)	1	(D)
5023	Homefurnishings .....	24	63 429	6 982	316	22	(D)	(D)	(D)	2	(D)
503	Lumber and other construction materials .....	65	(D)	(D)	(D)	61	(D)	(D)	(D)	4	(D)
5031	Lumber, plywood, millwork, and wood panels .....	22	164 994	12 138	539	20	(D)	(D)	(D)	2	(D)
5032	Brick, stone, and related construction materials .....	14	44 840	4 250	187	13	(D)	(D)	(D)	1	(D)
5033	Roofing, siding, and insulation materials .....	11	51 567	4 392	177	11	51 567	4 392	177	-	-
5039	Construction materials, n.e.c. ....	18	(D)	(D)	(D)	17	43 609	7 020	250	1	(D)
504	Professional and commercial equipment end supplies .....	174	426 836	69 224	2 793	149	(D)	(D)	(D)	25	(D)
5043	Photographic equipment and supplies .....	4	2 629	177	13	3	(D)	(D)	(D)	1	(D)
5044	Office equipment .....	42	(D)	(D)	(D)	38	(D)	(D)	(D)	4	(D)
5045	Computers and computer peripheral equipment and software .....	49	190 065	25 477	867	37	81 708	12 718	531	12	108 357
5046	Commercial equipment, n.e.c. ....	33	(D)	(D)	(D)	32	(D)	(D)	(D)	1	(D)
5047	Medical, dental, and hospital equipment and supplies .....	25	70 247	7 795	337	22	64 236	7 471	320	3	6 011
5048	Ophthalmic goods .....	7	9 138	2 958	183	7	9 138	2 958	183	-	-
5049	Professional equipment and supplies, n.e.c. ....	14	16 848	2 277	127	10	11 587	1 810	103	4	5 261
505	Metels and minerals, except petroleum .....	46	316 826	28 198	1 070	40	(D)	(D)	(D)	6	(D)
5051	Metals service centers end offices .....	45	(D)	(D)	(D)	39	(D)	(D)	(D)	6	(D)
5052	Coal end other minerals end ores .....	1	(D)	(D)	(D)	1	(D)	(D)	(D)	-	-
506	Electrical goods .....	107	301 284	28 556	1 222	89	225 736	23 405	1 077	18	75 548
5063	Electrical apparatus end equipment, wiring supplies, and construction materials .....	48	(D)	(D)	(D)	41	(D)	(D)	(D)	7	27 215
5064	Electrical appliances, television and radio sets .....	11	80 280	4 499	158	9	(D)	(D)	(D)	2	(D)
5065	Electronic parts and equipment, n.e.c. ....	48	(D)	(D)	(D)	39	41 506	6 475	318	9	(D)
507	Hardware, and plumbing end heating equipment and supplies .....	96	192 493	21 274	981	89	(D)	(D)	(D)	7	(D)
5072	Hardware .....	35	75 828	7 555	381	32	(D)	(D)	(D)	3	(D)
5074	Plumbing and heating equipment and supplies (hydronics) .....	44	(D)	(D)	(D)	41	(D)	(D)	(D)	3	(D)
5075	Warm air heating and air-conditioning equipment end supplies .....	9	(D)	(D)	(D)	8	9 913	1 629	62	1	(D)
5078	Refrigeration equipment and supplies .....	8	(D)	(D)	(D)	8	(D)	(D)	(D)	-	-
508	Machinery, equipment, and supplies .....	248	467 546	48 166	2 033	214	(D)	(D)	(D)	34	(D)
5082	Construction end mining (except petroleum) machinery end equipment .....	14	45 641	5 915	179	13	(D)	(D)	(D)	1	(D)
5083	Farm end garden machinery and equipment .....	8	10 988	904	50	8	10 988	904	50	-	-
5084	Industrial machinery end equipment .....	116	(D)	(D)	(D)	94	209 458	20 640	903	22	(D)
5085	Industrial supplies .....	64	89 418	10 182	449	60	68 648	9 550	427	4	20 770
5087	Service establishment equipment end supplies .....	38	64 240	7 261	312	32	38 734	5 577	233	6	25 506
5088	Transportation equipment end supplies, except motor vehicles .....	8	(D)	(D)	(D)	7	(D)	(D)	(D)	1	(D)



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1987 SIC code	Geographic area and kind of business	Estab- lish- ments (number)	Sales (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Merchant wholesalers			Other operating types		
						Estab- lish- ments (number)	Sales (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Estab- lish- ments (number)	Sales (\$1,000)
	<b>PROVIDENCE-PAWTUCKET-FALL RIVER, RI-MA CMSA—Con.</b>										
50	<b>Durable goods—Con.</b>										
509	Miscellaneous durable goods .....	309	726 712	71 986	3 768	265	646 643	69 564	3 644	44	80 069
5091	Sporting and recreational goods and supplies .....	15	(D)	(D)	(D)	14	(D)	(D)	(D)	1	(D)
5092	Toys and hobby goods and supplies .....	6	3 050	396	27	6	3 050	396	27	1	—
5093	Scrap and waste materials .....	60	(D)	(D)	(D)	59	189 874	14 819	715	1	(D)
5094	Jewelry, watches, precious stones, and precious metals .....	188	465 046	49 327	2 691	153	(D)	(D)	(D)	35	(D)
5099	Durable goods, n.e.c. ....	40	30 819	3 480	189	33	27 633	3 259	176	7	3 186
51	<b>Nondurable goods .....</b>	<b>651</b>	<b>3 540 567</b>	<b>202 850</b>	<b>9 458</b>	<b>569</b>	<b>(D)</b>	<b>(D)</b>	<b>(D)</b>	<b>82</b>	<b>(D)</b>
511	Paper and paper products .....	77	181 028	19 769	875	66	142 319	17 497	800	11	38 709
5111	Printing and writing paper .....	9	57 518	4 245	144	9	57 518	4 245	144	—	—
5112	Stationery and office supplies .....	40	70 110	9 017	443	33	(D)	(D)	(D)	7	(D)
5113	Industrial and personal service paper .....	28	53 400	6 507	288	24	(D)	(D)	(D)	4	(D)
512	Drugs, drug proprietaries, and druggists' sundries ..	12	122 041	4 332	189	10	(D)	(D)	(D)	2	(D)
5122	Drugs, drug proprietaries, and druggists' sundries .....	12	122 041	4 332	189	10	(D)	(D)	(D)	2	(D)
513	Apparel, piece goods, and notions .....	51	(D)	(D)	(D)	43	97 822	9 782	451	8	(D)
5131	Piece goods, notions, and other dry goods .....	25	49 867	5 412	266	22	40 872	5 003	243	3	8 995
5136	Men's and boys' clothing and furnishings .....	8	11 043	803	46	7	(D)	(D)	(D)	1	(D)
5137	Women's, children's and infants' clothing and accessories .....	10	(D)	(D)	(D)	8	(D)	(D)	(D)	2	(D)
5139	Footwear .....	8	136 956	5 389	125	6	(D)	(D)	(D)	2	(D)
514	Groceries and related products .....	236	1 278 480	72 040	4 038	219	1 075 715	57 983	3 494	17	202 765
5141	Groceries, general line .....	17	(D)	(D)	(D)	17	(D)	(D)	(D)	—	—
5142	Packaged frozen foods .....	14	50 260	2 909	112	13	(D)	(D)	(D)	1	(D)
5143	Dairy products, except dried or canned .....	16	44 980	4 118	221	14	(D)	(D)	(D)	2	(D)
5144	Poultry and poultry products .....	11	(D)	(D)	(D)	11	(D)	(D)	(D)	—	—
5145	Confectionery .....	17	58 812	3 214	169	14	37 879	2 899	124	3	20 933
5146	Fish and seafoods .....	49	176 098	9 702	601	48	(D)	(D)	(D)	1	(D)
5147	Meats and meat products .....	33	231 231	9 269	451	30	(D)	(D)	(D)	3	(D)
5148	Fresh fruits and vegetables .....	23	(D)	(D)	(D)	22	113 238	11 453	535	1	(D)
5149	Groceries and related products, n.e.c. ....	56	169 743	16 123	751	50	56 897	6 137	392	6	112 846
515	Farm-product raw materials .....	2	(D)	(D)	(D)	2	(D)	(D)	(D)	—	—
5153	Grain and field beans .....	1	(D)	(D)	(D)	1	(D)	(D)	(D)	—	—
5154	Livestock .....	—	—	—	—	—	—	—	—	—	—
5159	Farm-product raw materials, n.e.c. ....	1	(D)	(D)	(D)	1	(D)	(D)	(D)	—	—
516	Chemicals and allied products .....	69	(D)	(D)	(D)	52	194 856	20 746	718	17	(D)
5162	Plastics materials and basic forms and shapes ..	16	(D)	(D)	(D)	12	35 147	3 200	129	4	(D)
5169	Chemicals and allied products, n.e.c. ....	53	207 110	21 257	726	40	159 709	17 546	589	13	47 401
517	Petroleum and petroleum products .....	36	891 473	18 031	624	26	351 325	11 207	409	10	540 148
5171	Petroleum bulk stations and terminals .....	24	853 227	16 138	530	16	(D)	(D)	(D)	8	(D)
5172	Petroleum and petroleum products wholesalers, except bulk stations and terminals .....	12	38 246	1 893	94	10	(D)	(D)	(D)	2	(D)
518	Beer, wine, and distilled alcoholic beverages .....	18	201 759	20 745	662	18	201 759	20 745	662	—	—
5181	Beer and ale .....	7	99 786	10 838	284	7	99 786	10 838	284	—	—
5182	Wine and distilled alcoholic beverages .....	11	101 973	9 907	378	11	101 973	9 907	378	—	—
519	Miscellaneous nondurable goods .....	150	367 520	27 896	1 596	133	(D)	(D)	(D)	17	(D)
5191	Farm supplies .....	26	36 243	3 249	159	25	(D)	(D)	(D)	1	(D)
5192	Books, periodicals, and newspapers .....	10	25 692	3 102	170	9	(D)	(D)	(D)	1	(D)
5193	Flowers, nursery stock, and florists' supplies ..	14	38 885	6 561	311	13	(D)	(D)	(D)	1	(D)
5194	Tobacco and tobacco products .....	10	(D)	(D)	(D)	10	(D)	(D)	(D)	—	—
5198	Paints, varnishes, and supplies .....	10	(D)	(D)	(D)	6	(D)	(D)	(D)	4	12 991
5199	Nondurable goods, n.e.c. ....	80	127 240	9 186	563	70	63 267	7 531	486	10	63 973
	<b>Fall River, MA-RI PMSA</b>										
	<b>Wholesale trade .....</b>	<b>167</b>	<b>473 695</b>	<b>38 365</b>	<b>2 061</b>	<b>158</b>	<b>300 833</b>	<b>34 014</b>	<b>1 918</b>	<b>9</b>	<b>172 862</b>
50	<b>Durable goods .....</b>	<b>104</b>	<b>174 983</b>	<b>21 735</b>	<b>1 218</b>	<b>101</b>	<b>(D)</b>	<b>(D)</b>	<b>(D)</b>	<b>3</b>	<b>(D)</b>
501	Motor vehicles and motor vehicle parts and supplies .....	25	30 737	3 802	246	25	30 737	3 802	246	—	—
502	Furniture and home furnishings .....	5	(D)	(D)	(D)	4	(D)	(D)	(D)	1	(D)
503	Lumber and other construction materials .....	6	26 524	3 902	177	6	26 524	3 902	177	—	—
504	Professional and commercial equipment and supplies .....	18	22 756	3 010	151	18	22 756	3 010	151	—	—
505	Metals and minerals, except petroleum .....	1	(D)	(D)	(D)	1	(D)	(D)	(D)	—	—
506	Electrical goods .....	10	16 341	2 129	123	9	(D)	(D)	(D)	1	(D)
507	Hardware, and plumbing and heating equipment and supplies .....	7	21 898	3 022	156	7	21 898	3 022	156	—	—
508	Machinery, equipment, and supplies .....	18	31 501	3 912	169	17	(D)	(D)	(D)	1	(D)
509	Miscellaneous durable goods .....	14	9 991	1 218	145	14	9 991	1 218	145	—	—
51	<b>Nondurable goods .....</b>	<b>63</b>	<b>298 712</b>	<b>16 630</b>	<b>843</b>	<b>57</b>	<b>(D)</b>	<b>(D)</b>	<b>(D)</b>	<b>6</b>	<b>(D)</b>
511	Paper and paper products .....	4	6 385	1 067	51	4	6 385	1 067	51	—	—
512	Drugs, drug proprietaries, and druggists' sundries ..	—	—	—	—	—	—	—	—	—	—
513	Apparel, piece goods, and notions .....	6	9 605	554	36	5	(D)	(D)	(D)	1	(D)
514	Groceries and related products .....	31	46 435	5 433	335	29	(D)	(D)	(D)	2	(D)
515	Farm-product raw materials .....	—	—	—	—	—	—	—	—	—	—



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1987 SIC code	Geographic area and kind of business	Estab- lish- ments (number)	Sales (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Merchant wholesalers				Other operating types	
						Estab- lish- ments (number)	Sales (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Estab- lish- ments (number)	Sales (\$1,000)
	<b>PROVIDENCE-PAWTUCKET-FALL RIVER, RI-MA CMSA—Con.</b>										
	<b>Fall River, MA-RI PMSA—Con.</b>										
51	<b>Nondurable goods—Con.</b>										
516	Chemicals and allied products .....	4	(D)	(D)	(D)	4	(D)	(D)	(D)	-	-
517	Petroleum and petroleum products .....	5	(D)	(D)	(D)	3	(D)	(D)	(D)	2	(D)
518	Beer, wine, and distilled alcoholic beverages .....	-	-	-	-	-	-	-	-	-	-
519	Miscellaneous nondurable goods .....	13	74 368	5 965	302	12	(D)	(D)	(D)	1	(D)
	<b>Pawtucket-Woonsocket-Attleboro, RI-MA PMSA</b>										
	<b>Wholesale trade .....</b>	497	2 047 985	152 186	7 424	442	1 610 616	135 255	6 822	55	437 369
50	<b>Durable goods .....</b>	347	1 063 368	100 818	4 694	313	896 402	94 495	4 479	34	166 966
501	Motor vehicles and motor vehicle parts and supplies .....	60	153 600	16 889	925	58	(D)	(D)	(D)	2	(D)
502	Furniture and homefurnishings .....	7	7 211	903	74	7	7 211	903	74	-	-
503	Lumber and other construction materials .....	20	85 558	8 708	430	20	85 558	8 708	430	-	-
504	Professional and commercial equipment and supplies .....	41	95 153	15 526	679	35	85 117	14 515	650	6	10 036
505	Metals and minerals, except petroleum .....	13	135 425	8 388	374	12	(D)	(D)	(D)	1	(D)
506	Electrical goods .....	36	145 063	11 089	413	28	109 144	9 880	379	8	35 919
507	Hardware, and plumbing and heating equipment and supplies .....	32	69 729	7 455	346	30	(D)	(D)	(D)	2	(D)
508	Machinery, equipment, and supplies .....	62	154 524	10 322	449	55	125 240	8 881	395	7	29 284
509	Miscellaneous durable goods .....	76	217 105	21 538	1 004	68	202 975	20 950	988	8	14 130
51	<b>Nondurable goods .....</b>	150	984 617	51 368	2 730	129	714 214	40 760	2 343	21	270 403
511	Paper and paper products .....	25	56 191	4 871	207	22	(D)	(D)	(D)	3	(D)
512	Drugs, drug proprietaries, and druggists' sundries ..	4	(D)	(D)	(D)	3	(D)	(D)	(D)	1	(D)
513	Apparel, piece goods, and notions .....	22	208 523	10 984	356	17	66 850	5 945	223	5	141 673
514	Groceries and related products .....	47	551 238	21 295	1 443	44	(D)	(D)	(D)	3	(D)
515	Farm-product raw materials .....	-	-	-	-	-	-	-	-	-	-
516	Chemicals and allied products .....	13	27 449	3 022	112	9	16 061	2 214	88	4	11 388
517	Petroleum and petroleum products .....	4	28 178	1 484	82	3	(D)	(D)	(D)	1	(D)
518	Beer, wine, and distilled alcoholic beverages .....	2	(D)	(D)	(D)	2	(D)	(D)	(D)	-	-
519	Miscellaneous nondurable goods .....	33	83 045	7 720	453	29	(D)	(D)	(D)	4	(D)
	<b>Providence, RI PMSA</b>										
	<b>Wholesale trade .....</b>	1 268	(D)	(D)	(D)	1 100	(D)	(D)	(D)	168	(D)
50	<b>Durable goods .....</b>	830	2 066 414	228 633	9 987	717	(D)	(D)	(D)	113	(D)
501	Motor vehicles and motor vehicle parts and supplies .....	112	290 944	24 667	1 221	105	(D)	(D)	(D)	7	(D)
5012	Automobiles and other motor vehicles .....	29	146 087	9 461	395	27	(D)	(D)	(D)	2	(D)
5013	Motor vehicle supplies and new parts .....	63	123 427	11 827	605	58	(D)	(D)	(D)	5	(D)
5014	Tires and tubes .....	6	(D)	(D)	(D)	6	(D)	(D)	(D)	-	-
5015	Motor vehicle parts, used .....	14	(D)	(D)	(D)	14	(D)	(D)	(D)	-	-
502	Furniture and homefurnishings .....	27	(D)	(D)	(D)	25	(D)	(D)	(D)	2	(D)
5021	Furniture .....	10	(D)	(D)	(D)	9	(D)	(D)	(D)	1	(D)
5023	Homefurnishings .....	17	(D)	(D)	(D)	16	40 536	5 773	254	1	(D)
503	Lumber and other construction materials .....	39	(D)	(D)	(D)	35	(D)	(D)	(D)	4	(D)
5031	Lumber, plywood, millwork, and wood panels .....	12	(D)	(D)	(D)	10	(D)	(D)	(D)	2	(D)
5032	Brick, stone, and related construction materials ..	7	(D)	(D)	(D)	6	(D)	(D)	(D)	1	(D)
5033	Roofing, siding, and insulation materials .....	8	29 264	1 963	88	8	29 264	1 963	88	-	-
5039	Construction materials, n.e.c. ....	12	35 092	5 057	148	11	(D)	(D)	(D)	1	(D)
504	Professional and commercial equipment and supplies .....	115	308 927	50 688	1 963	96	(D)	(D)	(D)	19	(D)
5043	Photographic equipment and supplies .....	3	(D)	(D)	(D)	2	(D)	(D)	(D)	1	(D)
5044	Office equipment .....	28	(D)	(D)	(D)	24	(D)	(D)	(D)	4	(D)
5045	Computers and computer peripheral equipment and software .....	35	(D)	(D)	(D)	27	(D)	(D)	(D)	8	(D)
5046	Commercial equipment, n.e.c. ....	19	(D)	(D)	(D)	18	(D)	(D)	(D)	1	(D)
5047	Medical, dental, and hospital equipment and supplies .....	17	(D)	(D)	(D)	15	(D)	(D)	(D)	2	(D)
5048	Ophthalmic goods .....	3	(D)	(D)	(D)	3	(D)	(D)	(D)	-	-
5049	Professional equipment and supplies, n.e.c. ....	10	(D)	(D)	(D)	7	(D)	(D)	(D)	3	(D)
505	Metals and minerals, except petroleum .....	32	(D)	(D)	(D)	27	(D)	(D)	(D)	5	(D)
5051	Metals service centers and offices .....	32	(D)	(D)	(D)	27	(D)	(D)	(D)	5	(D)
5052	Coal and other minerals and ores .....	-	-	-	-	-	-	-	-	-	-
506	Electrical goods .....	61	139 880	15 338	686	52	(D)	(D)	(D)	9	(D)
5063	Electrical apparatus and equipment, wiring supplies, and construction materials .....	30	(D)	(D)	(D)	27	71 857	7 174	361	3	(D)
5064	Electrical appliances, television and radio sets ..	7	(D)	(D)	(D)	6	(D)	(D)	(D)	1	(D)
5065	Electronic parts and equipment, n.e.c. ....	24	(D)	(D)	(D)	19	(D)	(D)	(D)	5	(D)

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	<b>Providence, RI PMSA—Con.</b>										
50	<b>Durable goods—Con.</b>										
507	Hardware, and plumbing and heating equipment and supplies .....	57	100 866	10 797	479	52	87 168	10 163	458	5	13 698
5072	Hardware .....	22	(D)	(D)	(D)	19	(D)	(D)	(D)	3	(D)
5074	Plumbing and heating equipment and supplies (hydronics) .....	22	(D)	(D)	(D)	20	42 555	4 163	202	2	(D)
5075	Warm air heating and air-conditioning equipment and supplies .....	6	(D)	(D)	(D)	6	(D)	(D)	(D)	-	-
5078	Refrigeration equipment and supplies .....	7	9 334	1 144	42	7	9 334	1 144	42	-	-
508	Machinery, equipment, and supplies .....	168	281 521	33 932	1 415	142	223 347	30 338	1 254	26	58 174
5082	Construction and mining (except petroleum) machinery and equipment .....	10	(D)	(D)	(D)	9	(D)	(D)	(D)	1	(D)
5083	Farm and garden machinery and equipment .....	3	(D)	(D)	(D)	3	(D)	(D)	(D)	-	-
5084	Industrial machinery and equipment .....	73	(D)	(D)	(D)	56	99 197	13 333	591	17	(D)
5085	Industrial supplies .....	46	75 073	8 155	349	43	(D)	(D)	(D)	3	(D)
5087	Service establishment equipment and supplies .....	28	(D)	(D)	(D)	24	(D)	(D)	(D)	4	(D)
5088	Transportation equipment and supplies, except motor vehicles .....	8	(D)	(D)	(D)	7	(D)	(D)	(D)	1	(D)
509	Miscellaneous durable goods .....	219	499 616	49 230	2 619	183	433 677	47 396	2 511	36	65 939
5091	Sporting and recreational goods and supplies .....	11	(D)	(D)	(D)	11	(D)	(D)	(D)	-	-
5092	Toys and hobby goods and supplies .....	3	(D)	(D)	(D)	3	(D)	(D)	(D)	-	-
5093	Scrap and waste materials .....	31	(D)	(D)	(D)	31	(D)	(D)	(D)	-	-
5094	Jewelry, watches, precious stones, and precious metals .....	152	364 430	37 537	2 098	121	(D)	(D)	(D)	31	(D)
5099	Durable goods, n.e.c. ....	22	(D)	(D)	(D)	17	6 801	748	43	5	(D)
51	<b>Nondurable goods .....</b>	438	2 257 238	134 852	5 885	383	1 587 066	113 210	5 070	55	670 172
	<b>Paper and paper products .....</b>	48	118 452	13 831	617	40	(D)	(D)	(D)	8	(D)
5111	Printing and writing paper .....	6	(D)	(D)	(D)	6	(D)	(D)	(D)	-	-
5112	Stationery and office supplies .....	29	(D)	(D)	(D)	24	35 074	6 250	326	5	(D)
5113	Industrial and personal service paper .....	13	(D)	(D)	(D)	10	(D)	(D)	(D)	3	(D)
512	Drugs, drug proprietaries, and druggists' sundries ..	8	(D)	(D)	(D)	7	(D)	(D)	(D)	1	(D)
5122	Drugs, drug proprietaries, and druggists' sundries .....	8	(D)	(D)	(D)	7	(D)	(D)	(D)	1	(D)
513	Apparel, piece goods, and notions .....	23	(D)	(D)	(D)	21	(D)	(D)	(D)	2	(D)
5131	Piece goods, notions, and other dry goods .....	12	(D)	(D)	(D)	11	(D)	(D)	(D)	1	(D)
5136	Men's and boys' clothing and furnishings .....	6	(D)	(D)	(D)	5	(D)	(D)	(D)	1	(D)
5137	Women's, children's and infants' clothing and accessories .....	3	(D)	(D)	(D)	3	(D)	(D)	(D)	-	-
5139	Footwear .....	2	(D)	(D)	(D)	2	(D)	(D)	(D)	-	-
514	Groceries and related products .....	158	680 807	45 312	2 260	146	529 980	34 608	1 845	12	150 827
5141	Groceries, general line .....	11	(D)	(D)	(D)	11	(D)	(D)	(D)	-	-
5142	Packaged frozen foods .....	9	(D)	(D)	(D)	9	(D)	(D)	(D)	-	-
5143	Dairy products, except dried or canned .....	10	(D)	(D)	(D)	9	(D)	(D)	(D)	1	(D)
5144	Poultry and poultry products .....	11	(D)	(D)	(D)	11	(D)	(D)	(D)	-	-
5145	Confectionery .....	9	(D)	(D)	(D)	6	(D)	(D)	(D)	3	20 933
5146	Fish and seafoods .....	38	133 463	7 240	449	38	133 463	7 240	449	-	-
5147	Meats and meat products .....	22	154 244	6 656	310	19	(D)	(D)	(D)	3	(D)
5148	Fresh fruits and vegetables .....	19	125 266	11 483	480	18	(D)	(D)	(D)	1	(D)
5149	Groceries and related products, n.e.c. ....	29	(D)	(D)	(D)	25	(D)	(D)	(D)	4	(D)
515	Farm-product raw materials .....	2	(D)	(D)	(D)	2	(D)	(D)	(D)	-	-
5153	Grain and field beans .....	1	(D)	(D)	(D)	1	(D)	(D)	(D)	-	-
5154	Livestock .....	-	-	-	-	-	-	-	-	-	-
5159	Farm-product raw materials, n.e.c. ....	1	(D)	(D)	(D)	1	(D)	(D)	(D)	-	-
516	Chemicals and allied products .....	52	(D)	(D)	(D)	39	(D)	(D)	(D)	13	(D)
5162	Plastics materials and basic forms and shapes ..	12	(D)	(D)	(D)	10	(D)	(D)	(D)	2	(D)
5169	Chemicals and allied products, n.e.c. ....	40	(D)	(D)	(D)	29	141 184	15 410	509	11	(D)
517	Petroleum and petroleum products .....	27	(D)	(D)	(D)	20	(D)	(D)	(D)	7	(D)
5171	Petroleum bulk stations and terminals .....	17	(D)	(D)	(D)	11	(D)	(D)	(D)	6	(D)
5172	Petroleum and petroleum products wholesalers, except bulk stations and terminals .....	10	(D)	(D)	(D)	9	(D)	(D)	(D)	1	(D)
518	Beer, wine, and distilled alcoholic beverages .....	16	(D)	(D)	(D)	16	(D)	(D)	(D)	-	-
5181	Beer and ale .....	6	(D)	(D)	(D)	6	(D)	(D)	(D)	-	-
5182	Wine and distilled alcoholic beverages .....	10	(D)	(D)	(D)	10	(D)	(D)	(D)	-	-
519	Miscellaneous nondurable goods .....	104	210 107	14 211	841	92	(D)	(D)	(D)	12	(D)
5191	Farm supplies .....	20	(D)	(D)	(D)	20	(D)	(D)	(D)	-	-
5192	Books, periodicals, and newspapers .....	6	(D)	(D)	(D)	5	(D)	(D)	(D)	1	(D)
5193	Flowers, nursery stock, and florists' supplies ..	9	(D)	(D)	(D)	9	(D)	(D)	(D)	-	-
5194	Tobacco and tobacco products .....	8	79 670	2 489	178	8	79 670	2 489	178	2	(D)
5198	Paints, varnishes, and supplies .....	7	235	821	53	4	(D)	(D)	(D)	2	(D)
5199	Nondurable goods, n.e.c. ....	55	77 379	5 536	318	46	(D)	(D)	(D)	9	(D)



**Table 9. Summary Statistics for the Area Outside Metropolitan Statistical Areas: 1987**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms and comparability of 1982 and 1987 censuses, including revised methodology for presenting establishment counts, see appendix A. For definitions of CMSA's, MSA's, and PMSA's, see appendix D]

1987 SIC code	Kind of business	Estab- lish- ments (number)	Sales (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Merchant wholesalers				Other operating types	
						Estab- lish- ments (number)	Sales (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Estab- lish- ments (number)	Sales (\$1,000)
	Wholesale trade -----	56	123 825	6 861	281	47	70 330	5 836	243	9	53 495
50	Durable goods -----	30	71 105	4 669	171	26	(D)	(D)	(D)	4	(D)
501	Motor vehicles and motor vehicle parts and supplies -----	5	4 199	580	40	5	4 199	580	40	-	-
502	Furniture and home furnishings -----	4	(D)	(D)	(D)	3	(D)	(D)	(D)	1	(D)
503	Lumber and other construction materials -----	2	(D)	(D)	(D)	2	(D)	(D)	(D)	-	-
504	Professional and commercial equipment and supplies -----	1	(D)	(D)	(D)	1	(D)	(D)	(D)	-	-
505	Metals and minerals, except petroleum -----	1	(D)	(D)	(D)	-	-	-	-	1	(D)
506	Electrical goods -----	3	(D)	(D)	(D)	3	(D)	(D)	(D)	-	-
507	Hardware, and plumbing and heating equipment and supplies -----	3	(D)	(D)	(D)	3	(D)	(D)	(D)	-	-
508	Machinery, equipment, and supplies -----	3	(D)	(D)	(D)	3	(D)	(D)	(D)	-	-
509	Miscellaneous durable goods -----	8	(D)	(D)	(D)	7	1 617	278	9	1	(D)
51	Nondurable goods -----	26	52 720	2 192	110	21	(D)	(D)	(D)	5	(D)
511	Paper and paper products -----	4	(D)	(D)	(D)	4	(D)	(D)	(D)	-	-
512	Drugs, drug proprietaries, and druggists' sundries --	-	-	-	-	-	-	-	-	-	-
513	Apparel, piece goods, and notions -----	2	(D)	(D)	(D)	-	-	-	-	-	-
514	Groceries and related products -----	12	42 626	1 530	63	10	(D)	(D)	(D)	2	(D)
515	Farm-product raw materials -----	-	-	-	-	-	-	-	-	2	(D)
516	Chemicals and allied products -----	1	(D)	(D)	(D)	1	(D)	(D)	(D)	-	-
517	Petroleum and petroleum products -----	1	(D)	(D)	(D)	1	(D)	(D)	(D)	-	-
518	Beer, wine, and distilled alcoholic beverages -----	1	(D)	(D)	(D)	1	(D)	(D)	(D)	-	-
519	Miscellaneous nondurable goods -----	5	(D)	(D)	(D)	5	(D)	(D)	(D)	1	(D)

**Table 10. Places With 2,500 Inhabitants or More Ranked by Volume of Sales: 1987**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms and comparability of 1982 and 1987 censuses, including revised methodology for presenting establishment counts, see appendix A. For information on geographic areas followed by ▲, see appendix F]

Geographic area	Rank <sup>1</sup>	Sales (\$1,000)	Cumulative		Geographic area	Rank <sup>1</sup>	Sales (\$1,000)	Cumulative	
			Sales (\$1,000)	Percent of State total				Sales (\$1,000)	Percent of State total
Rhode Island -----	(X)	6 056 691	6 056 691	100.0	Rhode Island—Con.				
Providence -----	1	1 965 364	1 965 364	32.4	Central Falls -----	15	41 604	5 092 310	84.1
East Providence -----	2	717 895	2 683 259	44.3	South Kingstown town -----	16	35 505	5 127 815	84.7
Warwick -----	3	606 012	3 289 271	54.3	Portsmouth town -----	17	24 729	5 152 544	85.1
Cranston -----	4	459 364	3 748 635	61.9	Barrington town -----	(X)	(D)	(X)	(X)
Pawtucket -----	5	345 808	4 094 443	67.6	Bristol town -----	(X)	(D)	(X)	(X)
Lincoln town -----	6	312 652	4 407 095	72.8	Burrillville town -----	(X)	(D)	(X)	(X)
East Greenwich town -----	7	111 907	4 519 002	74.6	Coventry town -----	(X)	(D)	(X)	(X)
Woonsocket -----	8	109 530	4 628 532	76.4	Cumberland town -----	(X)	(D)	(X)	(X)
Smithfield town -----	9	81 345	4 709 877	77.8	Middletown town -----	(X)	(D)	(X)	(X)
West Warwick town -----	10	81 022	4 790 899	79.1	Narragansett town -----	(X)	(D)	(X)	(X)
Johnston town -----	11	79 562	4 870 461	80.4	North Kingstown town -----	(X)	(D)	(X)	(X)
Newport -----	12	71 523	4 941 984	81.6	Tiverton town -----	(X)	(D)	(X)	(X)
North Providence town -----	13	61 173	5 003 157	82.6	Warren town -----	(X)	(D)	(X)	(X)
Westerly town -----	14	47 549	5 050 706	83.4					

<sup>1</sup>Places with suppressed sales (if applicable) are listed at end of table rather than by rank to avoid disclosing data for individual companies.

Table 11. **Counties Ranked by Volume of Sales: 1987**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms and comparability of 1982 and 1987 censuses, including revised methodology for presenting establishment counts, see appendix A. For information on geographic areas followed by ▲, see appendix F]

Geographic area	Rank <sup>1</sup>	Sales (\$1,000)	Cumulative		Geographic area	Rank <sup>1</sup>	Sales (\$1,000)	Cumulative	
			Sales (\$1,000)	Percent of State total				Sales (\$1,000)	Percent of State total
Rhode Island -----	(X)	6 056 691	6 056 691	100.0	Rhode Island -- Con.				
Providence -----	1	4 809 618	4 809 618	79.4	Newport -----	4	153 503	5 994 040	99.0
Kent -----	2	853 628	5 663 246	93.5	Bristol -----	5	62 651	6 056 691	100.0
Washington -----	3	177 291	5 840 537	96.4					

<sup>1</sup>Counties with suppressed sales (if applicable) are listed at end of table rather than by rank to avoid disclosing data for individual companies.





# APPENDIX A.

## General Explanation

### CENSUS COVERAGE AND METHODOLOGY

**Structure and method of enumeration**—All wholesale firms that had at least one quarter of payroll in 1987 were included in the census of wholesale trade and were mailed either a regular census form or a short form designed to collect basic data and classification information only. The coverage and the method of obtaining census information from each follow:

1. Large companies, i.e., all multiunit firms and all single unit firms above the payroll size cutoff established to separate large from small employers, and a 10-percent sample of the small employers were mailed the appropriate 1987 Census of Distributive Trades establishment report forms. Although the payroll cutoff varied by kind of business, small employers generally included firms with one to three employees and represented about 10 percent of total wholesale sales. For the large companies, a report of company organization is conducted periodically to identify firms which operated establishments at more than one location and to obtain information on payroll and mid-March employment at each location. The 1986 Report of Company Organization was used as a coverage check in the census. In the census mailing package containing the appropriate 1987 questionnaires, multiestablishment firms also were sent a form to use in updating the list of establishments with those opened since 1986.
2. Small companies other than those included in the 10-percent sample described above were mailed the short forms, which did not include questions on sales by commodity lines and employment by principal activity.

**Method of classifying kinds of business**—Establishments receiving the regular census forms were classified on the basis of their answers to questions on sales by commodity lines and other inquiries. Those that received short forms were classified on the basis of their self-designation and answers to other inquiries.

### COMPARABILITY OF THE 1982 AND 1987 CENSUSES

The 1982 and 1987 censuses were conducted under similar conditions and procedures except for the following:

**Classifications**—In 1982, classifications were based on the 1972 Standard Industrial Classification (SIC) Manual and its 1977 Supplement. For 1987, classifications are based on the 1987 SIC Manual.<sup>1</sup> There are major revisions to the SIC structure for 1987 which limit the comparability of data between the 1982 and 1987 censuses. The kinds of business involving the most significant changes for wholesale trade are within SIC major groups 501, 503, 504, 506, 508, 509, 513, 515, 516, and 519. These changes are described in detail in the "Kind-of-Business Classifications" section below and in appendix H.

It was not possible to retabulate 1982 data based on the revised 1987 classifications for comparative purposes since, in many cases, the necessary information was not available for assigning the new 1987 classifications to the 1982 records. However, 1987 census records were assigned both a 1987 and 1982 census classification. Census data for 1987 are presented based on the 1987 classifications for all geographic areas included in this publication (see "Geographic Areas Covered" in the Introduction). In addition, data for the United States and each State are presented for both 1987 and 1982 based on the 1972 classifications in tables 3 and 4 of this publication.

**Geographic areas**—The boundaries of a number of areas for which data are shown in the 1987 census are not the same as in the 1982 census because of annexations; other boundary changes; and redefinitions of previously defined standard metropolitan statistical areas (SMSA's) and standard consolidated statistical areas (SCSA's) into metropolitan statistical areas (MSA's), primary metropolitan statistical areas (PMSA's), and consolidated metropolitan statistical areas (CMSA's).<sup>2</sup>

**Establishments**—In 1982 and prior censuses, the count of establishments (defined below) represented the number

<sup>1</sup>Standard Industrial Classification Manual: 1987. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 041-001-00314-2.

<sup>2</sup>Newly defined metropolitan statistical areas (MSA's) and also certain terminology changes were announced by the Office of Management and Budget (OMB) effective June 30, 1983. The previous term "standard metropolitan statistical area" was shortened to metropolitan statistical area. If an area has more than 1 million population and meets certain other specified requirements, it now is termed a "consolidated metropolitan statistical area" (CMSA) and consists of major components recognized as "primary metropolitan statistical areas" (PMSA's). Many of these PMSA's were formerly recognized as SMSA's and the majority were also included in standard consolidated statistical areas defined by OMB beginning in 1975, each of which consisted of two or more closely associated SMSA's. Metropolitan areas not included in CMSA's are designated simply as metropolitan statistical areas (MSA's).



in business at the end of the year. For 1987, the count of establishments in this publication represents those in business at any time during 1987.

A comparison of the number of establishments in business at the end of the year versus the number active any time during the year for the State as a whole is presented in appendix G.

## EXPLANATION OF TERMS

**Establishments**—An establishment is a single physical location at which business is conducted. It is not necessarily identical with a company or enterprise, which may consist of one establishment or more. Census of wholesale trade figures represent a summary of reports for individual establishments rather than companies. For cases where a census report was received, separate information was obtained for each location where business was conducted. When administrative records of other Federal agencies were used instead of a census report, no information was available on the number of locations operated. Estimates of this number were derived from a sample and will be provided in the wholesale trade report, Miscellaneous Subjects (WC87-S-4). Each wholesale establishment was tabulated according to the physical location at which the business was conducted. The count of establishments in this publication represents the number in business at any time during the year.

When two activities or more were carried on at a single location under a single ownership, all activities generally were grouped together as a single establishment. The entire establishment was classified on the basis of its major activity and all data for it were included in that classification. However, when distinct and separate economic activities (for which different industry classification codes were appropriate) were conducted under the same ownership at a single location, and when conditions prescribed by the SIC manual for recognizing the existence of more than one establishment were met, separate establishment reports for each of the different activities were obtained in the census.

**Firms**—A firm is a business organization or entity consisting of one domestic establishment (location) or more under common ownership or control. All establishments of subsidiary firms are included as part of the owning or controlling firm. For the economic censuses, the terms "firm" and "company" are synonymous.

**Sales**—Sales include merchandise sold for cash or credit at wholesale and retail by establishments primarily engaged in wholesale trade; receipts from rental or leasing of vehicles, equipment, instruments, tools, etc.; receipts for delivery, installation, maintenance, repair, alteration, storage, and other services; and gasoline, liquor, tobacco, and other excise taxes which are paid by the manufacturer and passed on to the wholesaler.

Sales are net after deductions for refunds and allowances for merchandise returned by customers. Trade-in allowances are not deducted from total sales. Total sales do not include carrying or other credit charges; sales (or other) taxes collected from customers and forwarded to taxing authorities; and nonoperating income from such sources as investments, rental or sale of real estate, etc.

Sales in this report do not include wholesale sales made by manufacturers, retailers, service establishments, or other businesses whose primary activity is other than wholesale trade. They do include receipts other than from the sale of merchandise at wholesale, e.g., service receipts, retail sales, etc., by establishments primarily engaged in wholesale trade.

Sales figures include sales of all establishments in business at any time during the year. Sales shown for agents and brokers represented the value of the goods involved in the transactions rather than the commissions received or earnings.

**Annual payroll**—Payroll includes all forms of compensation such as salaries, wages, commissions, bonuses, vacation allowances, sick-leave pay, and the value of payments in kind (e.g., free meals and lodgings) paid during the year to all employees. For corporations, it includes amounts paid to officers and executives; for unincorporated businesses, it does not include profit or other compensation of proprietors or partners. Payroll is reported before deductions for social security, income tax, insurance, union dues, etc. This definition of payroll is the same as that used by the IRS on form 941.

**First quarter payroll**—This item consists of payroll, as defined above, paid to persons employed at any time during the quarter January to March 1987.

**Paid employees for pay period including March 12**—Paid employees consist of the full-time and part-time employees, including salaried officers and executives of corporations, who were on the payroll in the pay period including March 12. Included are employees on paid sick leave, paid holidays, and paid vacations; not included are proprietors and partners of unincorporated businesses. The definition of paid employees is the same as that used on IRS form 941.

**1987 and 1986 inventories**—Inventories consist of stocks of merchandise for sale at the end of 1987 and 1986. They were reported on an ownership basis; all merchandise owned by reporting establishments is included, even though some may be held by others for sale on consignment. Goods held by the reporting establishment, but owned by others, are not included. Data for 1987 and 1986 inventories LIFO composition will be published in the 1987 Census of Wholesale Trade Miscellaneous Subjects report (WC87-S-4).



**Operating expenses**—Operating expenses include payroll as well as overhead expenses of the establishment. They do not include the cost of goods sold or income or excise taxes, or withdrawals by proprietors or partners of unincorporated businesses.

**Auxiliary establishments**— Each company included in the census was asked to identify and report separately those auxiliary locations whose primary functions were to manage, administer, service, or support the activities of the other establishments of the company. Data in this report do not include auxiliary establishments. Data for auxiliaries are presented for more detailed industry breakdowns in a subsequent report issued as part of the 1987 Enterprise Statistics reports.

## KIND-OF-BUSINESS CLASSIFICATIONS

Wholesale trade, major groups 50 and 51 in the 1987 SIC manual, includes establishments primarily engaged in selling merchandise to retailers; to industrial, commercial, institutional, farm, or professional business users; or to other wholesalers; or acting as agents or brokers in buying merchandise for or selling merchandise to such persons or companies.

The principal types of establishments included are:

1. Merchant wholesalers who take title to the goods they sell, such as wholesale merchants or jobbers, industrial distributors, voluntary group wholesalers, drop shippers, retailer cooperative warehouses, terminal elevators, and cooperative buying associations.
2. Manufacturers' sales branches and sales offices (but not retail stores) maintained by manufacturing or mining enterprises apart from their plants or mines for the purpose or marketing their products.
3. Agents, brokers, and commission merchants who buy or sell products owned by others on a commission or agency basis.

Establishments primarily engaged in the wholesale distribution of used products are classified on the basis of the product sold. Establishments primarily engaged in selling merchandise to contractors are included in wholesale trade, with the exception of lumber yards and paint, glass, and wallpaper stores. These exceptions are classified in retail trade if they sell to the general public, even if a higher proportion of their sales is made to contractors.

Establishments covered by the census were assigned kind-of-business classifications according to the industry classifications defined in the 1972 and 1987 SIC Manuals. Establishments were classified into 1972 SIC based kinds-of-business that were detailed enough to provide a direct conversion to a 1987 SIC based kind of business. Each establishment, therefore, has both a 1972 and a 1987 SIC based kind of business which greatly simplifies tabulations

of bridge tables and comparison tables in this publication. All other State tables and all substate geographic tables use the 1987 SIC based classifications.

Kind-of-business classifications are not interchangeable with commodity classifications, because most businesses sell several kinds of commodities. The kind-of-business code assigned generally reflects either the individual commodity or the commodity group which is the primary source of the establishment's receipts, or some mixture of commodities which characterizes the establishment's business. Thus, the classification of establishments by kind of business does not make it possible to determine either the number of establishments handling a particular commodity or the sales of that commodity. For example, the groceries and related products classification excludes establishments selling food if the sale of food is not the primary source of receipts; moreover, even though establishments are classified as groceries and related products, some of their receipts may be derived from the sale of nonfood products. Information on the extent to which commodities are handled by different kinds of business is available in the 1987 Census of Wholesale Trade report, Commodity Line Sales (WC87-S-3). Descriptions of the 1987 Census of Wholesale Trade kind-of-business classifications follow:

### Durable Goods (SIC Major Group 50)

This major group includes establishments primarily engaged in the wholesale distribution of durable goods.

### Motor vehicles and motor vehicle parts and supplies (SIC 501)

**Automobiles and other motor vehicles (SIC 5012)**—Establishments primarily engaged in the wholesale distribution of new and used passenger automobiles, trucks, trailers, and other motor vehicles, including motorcycles, motor homes, and snowmobiles. Automobile distributors primarily engaged in selling at retail to individual customers for personal use, and also selling a limited amount of new and used passenger automobiles and trucks at wholesale, are classified in Retail Trade, Industry 5511.

SIC 5012 is subdivided in some tables into—

1. Automobiles and motorcycles
2. Buses and recreational vehicles
3. Light trucks (14,000 lb or less)
4. Medium and heavy trucks (Over 14,000 lb)

**Motor vehicle supplies and new parts (SIC 5013)**—Establishments primarily engaged in the wholesale distribution of motor vehicle supplies, accessories, tools, and equipment; and new motor vehicle parts.

SIC 5013 is subdivided in some tables into—

1. Motor vehicle supplies and new parts—warehouse distributors



- a. Motor vehicle supplies and new parts—warehouse distributors (without machine shop).
- b. Motor vehicle supplies and new parts—warehouse distributors (with machine shop).
2. Motor vehicle supplies and new parts—jobbers
  - a. Motor vehicle supplies and new parts—jobbers (without machine shop).
  - b. Motor vehicle supplies and new parts—jobbers (with machine shop).
3. Petroleum products marketing equipment

**Tires and tubes (SIC 5014)**—Establishments primarily engaged in the wholesale distribution of tires and tubes for passenger and commercial vehicles.

**Motor vehicle parts, used (SIC 5015)**—Establishments primarily engaged in the distribution at wholesale or retail of used motor vehicle parts. This industry includes establishments primarily engaged in dismantling motor vehicles for the purpose of selling parts. Establishments primarily engaged in dismantling motor vehicles for scrap are classified in Industry 5093.

## **Furniture and homefurnishings (SIC 502)**

**Furniture (SIC 5021)**—Establishments primarily engaged in the wholesale distribution of furniture, including bed-springs, mattresses, and other household furniture; office furniture; and furniture for public parks and buildings. Establishments primarily engaged in the wholesale distribution of partitions, shelving, lockers, and store fixtures are classified in Industry 5046.

SIC 5021 is subdivided in some tables into—

1. Household and lawn furniture.
2. Office and business furniture.

**Homefurnishings (SIC 5023)**—Establishments primarily engaged in the wholesale distribution of homefurnishings and housewares, including antiques; china; glassware and earthenware; lamps (including electric), curtains and draperies; linens and towels; and carpets, linoleum, and all other types of hard and soft surface floor coverings. Establishments primarily engaged in the wholesale distribution of other electrical household goods are classified in Industry 5064, and those distributing precious metal flatware are classified in Industry 5094.

SIC 5023 is subdivided in some tables into—

1. Household china, glassware, and crockery.
2. Linens, domestics, draperies and curtains.
3. Floor coverings.
4. Other homefurnishings.

## **Lumber and other construction materials (SIC 503)**

**Lumber, plywood, millwork and wood panels (SIC 5031)**—Establishments, with or without yards, primarily engaged in the wholesale distribution of rough, dressed, and finished lumber (but not timber); plywood; reconstituted wood fiber products; doors and windows and their frames (all materials); wood fencing; and other wood or metal millwork.

SIC 5031 is subdivided in some tables into—

1. Lumber—without yard.
2. Lumber—with yard.
3. Plywood, millwork, and wood panels

**Brick, Stone, and Related Construction Materials (SIC 5032)**—Establishments primarily engaged in the wholesale distribution of stone, cement, lime construction sand, and gravel; brick (except refractory); asphalt and concrete mixtures; and concrete, stone, and structural clay products (other than refractories). Distributors of industrial sand and of refractory materials are classified in Industry 5085. Establishments primarily engaged in producing ready-mixed concrete are classified in Manufacturing, Industry 3273.

**Roofing, Siding, and Insulation Materials (SIC 5033)**—Establishments primarily engaged in the wholesale distribution of roofing, siding (except wood), and insulation materials.

**Construction materials, n.e.c. (SIC 5039)**—Establishments primarily engaged in the wholesale distribution of mobile homes and of construction materials, not elsewhere classified, including prefabricated buildings and glass. Establishments selling construction materials to the general public and known as retail in the trade are classified in Retail Trade, Industry 5211. Establishments primarily engaged in marketing heavy structural metal products are classified in Industry 5051.

SIC 5039 is subdivided in some tables into—

1. Flat glass and other construction glass.
2. Other construction materials.

## **Professional and Commercial Equipment and Supplies (SIC 504)**

**Photographic equipment and supplies (SIC 5043)**—Establishments primarily engaged in the wholesale distribution of photographic equipment and supplies. Establishments primarily engaged in the wholesale distribution of photocopy, microfilm, and similar equipment are classified in Industry 5044.

**Office equipment (SIC 5044)**—Establishments primarily engaged in the wholesale distribution of office machines and related equipment, including photocopy and microfilm equipment and safes and vaults. These establishments frequently also sell office supplies. However, establishments primarily engaged in wholesaling most office supplies are classified in Industry Group 511. Establishments primarily engaged in wholesaling office furniture are classified in Industry Group 5021; and those wholesaling computers and peripheral equipment are classified in Industry 5045.

**Computers and computer peripheral equipment and software (SIC 5045)**—Establishments primarily engaged in the wholesale distribution of computers, computer peripheral equipment, and computer software. These establishments frequently also may sell related supplies, but establishments primarily engaged in wholesaling supplies are classified according to the individual product (for example, computer paper in Industry 5112). Establishments primarily engaged in the wholesale distribution of modems and other electronic communications equipment are classified in Industry 5065. Establishments primarily engaged in selling computers and computer peripheral equipment and software for other than business or professional use are classified in Retail Trade, Industry 5734.

SIC 5045 is subdivided in some tables into—

1. Computers and peripheral equipment (selling primarily to business customers).
2. Computer software (prepackaged, off-the-shelf).

**Commercial Equipment, n.e.c. (SIC 5046)**— Establishments primarily engaged in the wholesale distribution of commercial and related machines and equipment, not elsewhere classified, such as commercial cooking and food service equipment; partitions, shelving, lockers, and store fixtures; electrical signs; and balances and scales, except laboratory.

SIC 5046 is subdivided in some tables into—

1. Restaurant and hotel equipment and supplies.
2. Store machines and equipment.

**Medical, dental, and hospital equipment and supplies (SIC 5047)**— Establishments primarily engaged in the wholesale distribution of surgical and other medical instruments, apparatus, and equipment; dentist equipment; artificial limbs; operating room and hospital equipment; X-ray machines; and other electromedical equipment and apparatus used by physicians and in hospitals. Also included in this industry are establishments primarily engaged in the wholesale distribution of professional supplies used by medical and dental practitioners.

SIC 5047 is subdivided in some tables into—

1. Medical and hospital equipment
2. Dental supplies

**Ophthalmic Goods (SIC 5048)**—Establishments primarily engaged in the wholesale distribution of professional equipment and goods used, prescribed, or sold by ophthalmologists, optometrists, and opticians, including ophthalmic frames, lenses, and sunglass lenses.

**Professional equipment and supplies, n.e.c. (SIC 5049)**—Establishments primarily engaged in the wholesale distribution of professional equipment and supplies, not elsewhere classified, such as drafting instruments, laboratory equipment, and scientific instruments.

SIC 5049 is subdivided in some tables into—

1. Religious and school supplies.
2. Other professional equipment and supplies. Establishments primarily engaged in selling specialty lines of professional equipment and supplies not mentioned above, such as veterinarian equipment and supplies, drafting supplies, and scientific equipment.

## **Metals and minerals, except petroleum (SIC 505)**

**Metals service centers and offices (SIC 5051)**—Establishments primarily engaged in marketing semifinished metal products; except precious metals. Establishments in this industry may operate with warehouses (metals service centers) or without warehouses (metal sales offices). Establishments primarily engaged in marketing precious metals are classified in Industry 5092.

SIC 5051 is subdivided in some tables into—

1. Ferrous metals service centers and sales offices.
  - a. Ferrous metals service centers.
  - b. Ferrous metals sales offices.
2. Nonferrous metals service centers and sales offices.

**Coal and other minerals and ores (SIC 5052)**—Establishments primarily engaged in the wholesale distribution of coal and coke; copper, iron, lead, and other metallic ores, including precious metal ores; and crude nonmetallic minerals (including concentrates), except crude petroleum. Establishments primarily engaged in the wholesale distribution of nonmetallic minerals used in construction, such as sand and gravel, are classified in Industry 5032.

SIC 5052 is subdivided in some tables into—

1. Coal.
2. Other minerals and ores.

## **Electrical goods (SIC 506)**

This industry group includes establishments primarily engaged in the wholesale distribution of electrical generating, distributing, and wiring equipment. It also includes household appliances, whether electrically, manually, or



mechanically powered. This industry group does not include electrical commercial and industrial machines, in which electricity does the work directly, e.g., heating, turning a shaft, or ionizing a substance, or electrically powered commercial and industrial machines which are classified in Industry Group 504 or 508.

**Electrical apparatus and equipment, wiring supplies, and construction materials (SIC 5063)**—Establishments primarily engaged in the wholesale distribution of electrical power equipment for the generation, transmission, distribution, or control of electric energy; electrical construction materials for outside power transmission lines and for electrical systems and electric light fixtures and bulbs. Construction contractors primarily engaged in installing electrical systems and equipment from their own stock are classified in Construction, Industry 1731.

**Electrical appliances, television and radio sets (SIC 5064)**—Establishments primarily engaged in the wholesale distribution of radio and television receiving sets, other household electronic sound or video equipment, self-contained air-conditioning room units, and household electrical appliances. Also included are establishments primarily engaged in the wholesale distribution of household nonelectronic laundry equipment and refrigerators and freezers.

**Electronic parts and equipment, n.e.c. (SIC 5065)**—Establishments primarily engaged in the wholesale distribution of electronic parts and electronic communications equipment, not elsewhere classified, such as telephone and telegraph equipment; radio and television broadcasting and communications equipment; and intercommunications equipment. Establishments primarily engaged in the wholesale distribution of radio and television receiving sets, phonographs, and other household sound or video equipment are classified in Industry 5064.

### **Hardware, and plumbing and heating equipment and supplies (SIC 507)**

**Hardware (SIC 5072)**—Establishments primarily engaged in the wholesale distribution of cutlery and general hardware, including hand saws; saw blades; brads, staples, and tacks; and bolts, nuts, rivets, and screws. Establishments primarily engaged in the wholesale distribution of nails, noninsulated wire, and screening are classified in Industry 5051.

**Plumbing and heating equipment and supplies (hydronics) (SIC 5074)**—Establishments primarily engaged in the wholesale distribution of hydronic plumbing and heating equipment and supplies. Construction contractors primarily engaged in installing plumbing and heating equipment from their own stock are classified in Construction, Industry 1711.

**Warm air heating and air-conditioning equipment and supplies (SIC 5075)**—Establishments primarily engaged in the wholesale distribution of warm air heating and air-conditioning equipment and supplies. Construction contractors primarily engaged in installing warm air heating and air-conditioning equipment are classified in Construction, Industry 1711.

**Refrigeration equipment and supplies (SIC 5078)**—Establishments primarily engaged in the wholesale distribution of refrigeration equipment and supplies. Construction contractors primarily engaged in installation of refrigeration equipment from their own stock are classified in Construction, Industry 1711.

### **Machinery, equipment, and supplies (SIC 508)**

**Construction and mining (except petroleum) machinery and equipment (SIC 5082)**—Establishments primarily engaged in the wholesale distribution of construction or mining cranes, excavating machinery and equipment, power shovels, road construction and maintenance machinery, tractor-mounting equipment, and other specialized machinery and equipment used in the construction, mining, and logging industries. Establishments engaged in marketing oil well machinery and equipment are classified in Industry 5084.

**Farm and garden machinery and equipment (SIC 5083)**—Establishments primarily engaged in the wholesale distribution of agricultural machinery and equipment for use in preparation and maintenance of the soil, the planting and harvesting of crops, and other operations and processes pertaining to work on the farm or the lawn or garden; and dairy and other livestock equipment.

SIC 5083 is subdivided in some tables into—

1. Farm machinery and equipment—farm dealers.
2. Farm machinery and equipment—wholesale distributors.
3. Lawn and garden machinery and equipment.

**Industrial machinery and equipment (SIC 5084)**—Establishments primarily engaged in the wholesale distribution of industrial machinery and equipment, not elsewhere classified.

SIC 5084 is subdivided in some tables into—

1. Food-processing machinery, equipment, and parts.
2. General-purpose industrial machinery, equipment, and parts.
3. Metalworking machinery, equipment, and parts.
4. Materials handling equipment and parts.
5. Oil well, oil refinery, and pipeline machinery, equipment, and supplies.



6. Other industrial machinery, equipment, and parts. Establishments primarily engaged in selling special purpose industrial machinery not elsewhere classified, including printing machinery, woodworking machinery, shoemaking machinery, paper and paper products machinery, smelting and metal refining machinery and equipment, cigar and cigarette-making machinery, and similar special industry machinery.

**Industrial supplies (SIC 5085)**— Establishments primarily engaged in the wholesale distribution of industrial supplies, not elsewhere classified.

SIC 5085 is subdivided in some tables into—

1. General-line industrial supplies.
2. Mechanical power transmission supplies.
3. Industrial valves and fittings.
4. Welding supplies.
5. Industrial containers and supplies.
6. Other industrial supplies—Establishments primarily engaged in selling a specialty line of industrial materials and supplies not elsewhere classified, such as abrasives, mechanical rubber goods, ropes, cordage, and industrial diamonds.

**Service establishment equipment and supplies (SIC 5087)**—Establishments primarily engaged in the wholesale distribution of equipment and supplies for barber shops, beauty parlors, power laundries, drycleaning plants, upholsterers, undertakers, and related personal service establishments.

SIC 5087 is subdivided in some tables into—

1. Beauty and barber equipment and supplies.
2. Custodial (janitors') equipment and supplies.
3. Laundry and drycleaning equipment and supplies.
4. Other service establishment equipment and supplies—Establishments primarily engaged in selling a specialty line of service establishment supplies, such as upholsterers' equipment and supplies, seamstresses' supplies, tailors' supplies, undertakers' supplies, municipality equipment and supplies, and shoe repair supplies.

**Transportation equipment and supplies, except motor vehicles (SIC 5088)**—Establishments primarily engaged in the wholesale distribution of transportation equipment and supplies. Establishments primarily engaged in the wholesale distribution of motor vehicles and motor vehicle parts are classified in Industry Group 501, and those distributing pleasure boats are classified in Industry 5091.

SIC 5088 is subdivided in some tables into—

1. Aircraft and aeronautical equipment and supplies.
2. Marine machinery, equipment, and supplies.

3. Other transportation equipment and supplies—Establishments primarily engaged in selling equipment and supplies used in the operation, maintenance, and repair of railroads, streetcars, buses, tramways, aerial hoists, and horsedrawn vehicles.

## Miscellaneous durable goods (SIC 509)

**Sporting and Recreational Goods and Supplies (SIC 5091)**—Establishments primarily engaged in the wholesale distribution of sporting goods and accessories; billiard and pool supplies; sporting firearms and ammunition; and marine pleasure craft, equipment and supplies. Establishments primarily engaged in the wholesale distribution of motor vehicles and trailers are classified in Industry 5012; those distributing self-propelled golf carts are classified in Industry 5088; and those distributing athletic apparel and footwear are classified in Industry Group 513.

**Toys and hobby goods and supplies (SIC 5092)**—Establishments primarily engaged in the wholesale distribution of games, toys, hobby goods and supplies, and related goods, such as fireworks and playing cards.

**Scrap and waste materials (SIC 5093)**—Establishments primarily engaged in assembling, breaking up, sorting, and wholesale distribution of scrap and waste materials. This industry includes auto wreckers engaged in dismantling automobiles for scrap. However, those engaged in dismantling cars for the purpose of selling secondhand parts at retail are classified in Industry 5015.

SIC 5093 is subdivided in some tables into—

1. Iron and steel scrap processors and dealers.
  - a. Iron and steel scrap processors (using power processing equipment).
  - b. Iron and steel scrap dealers (not using power processing equipment).
2. Waste and secondary materials.

**Jewelry, watches, precious stones, and precious metals. (SIC 5094)**—Establishments primarily engaged in the wholesale distribution of jewelry, precious stones and metals, costume jewelry, watches, clocks, silverware, and jewelers' findings. Establishments primarily engaged in the wholesale distribution of precious metal ores are classified in Industry 5052.

**Durable goods, n.e.c. (SIC 5099)**—Establishments primarily engaged in the wholesale distribution of durable goods, not elsewhere classified, such as musical instruments and forest products, except lumber.

SIC 5099 is subdivided in some tables into—

1. Musical instruments and supplies.
2. Forest products, except lumber.



3. General merchandise—durable.

4. Other durable goods.

### **Nondurable Goods (SIC Major Group 51)**

This major group includes establishments primarily engaged in the wholesale distribution of nondurable goods.

### **Paper and Paper Products (SIC 511)**

**Printing and writing paper (SIC 5111)**—Establishments primarily engaged in the wholesale distribution of printing and writing paper, including envelope paper; fine paper; and groundwood paper.

**Stationery and office supplies (SIC 5112)**—Establishments primarily engaged in the wholesale distribution of stationery and office supplies, including computer and photocopy supplies, envelopes, typewriter paper, file cards and folders, pens, pencils, social stationery, and greeting cards.

**Industrial and personal service paper (SIC 5113)**—Establishments primarily engaged in the wholesale distribution of wrapping and other coarse paper, paperboard, and converted paper and related disposable plastic products, such as bags, boxes, dishes, eating utensils, napkins, and shipping supplies.

### **Drugs, drugs proprietaries and druggists' sundries (SIC 512)**

**Drugs, drug proprietaries, and druggists' sundries (SIC 5122)**—Establishments primarily engaged in the wholesale distribution of prescription drugs, proprietary drugs, druggists' sundries, and toiletries. Establishments primarily engaged in the wholesale distribution of surgical, dental, and hospital equipment are classified in Industry 5047.

SIC 5122 is subdivided in some tables into—

1. General-line drugs—These are distinguished from specialty-line drug and toiletries wholesalers on the basis of their commodity-line mix. Drug wholesalers were classified as general line if they reported a substantial portion of their sales in "drugs and pharmaceuticals" and a combination of "proprietary (patent) medicines," "cosmetics," "perfumes," and "other toiletries and druggists' sundries."
2. Specialty-line pharmaceuticals, cosmetics, and toiletries.

### **Apparel, piece goods, and notions (SIC 513)**

**Piece goods, notions, and other dry goods (SIC 5131)**—Establishments primarily engaged in the wholesale distribution of piece goods or yard goods of natural or man-made fibers, notions (sewing and hair accessories, etc.),

and other dry goods. Converters who buy fabric goods (except knit goods) in the grey, have them finished on contract, and sell at wholesale are included here. Converters of knit goods are classified in Manufacturing, Industry Group 225. This industry does not include establishments primarily engaged in the wholesale distribution of home furnishings which are classified in Industry 5023.

SIC 5131 is subdivided in some tables into—

1. Piece goods
  - a. Piece goods-jobbers
  - b. Piece goods-converters
2. Notions and other dry goods

**Men's and boys' clothing and furnishings (SIC 5136)**—Establishments primarily engaged in the wholesale distribution of men's and boys' apparel and furnishings, sportswear, hosiery, underwear, nightwear, and work clothing.

**Women's, children's, and infants' clothing and accessories (SIC 5137)**—Establishments primarily engaged in the wholesale distribution of women's, children's, and infants' clothing and accessories, including hosiery, lingerie, millinery, and furs.

**Footwear (SIC 5139)**—Establishments primarily engaged in the wholesale distribution of footwear (including athletic) made of leather, rubber, and other materials.

### **Groceries and related products (SIC 514)**

**Groceries, general line (SIC 5141)**—Establishments primarily engaged in the wholesale distribution of a general line of groceries. Establishments primarily engaged in roasting coffee, blending tea, or grinding and packaging spices are classified in Manufacturing Major Group 20.

SIC 5141 is subdivided in some tables into—

1. Voluntary group wholesalers.
2. Retail cooperative wholesalers.
3. Other general line wholesalers.

**Packaged frozen foods (SIC 5142)**—Establishments primarily engaged in the wholesale distribution of packaged quickfrozen vegetables, juices, meats, fish, poultry, pastries, and other "deep freeze" products. Establishments primarily engaged in the wholesale distribution of frozen dairy products are classified in Industry 5143, and those distributing frozen poultry, fish, and meat which are not packaged are classified in Industries 5144, 5146, and 5147, respectively.

**Dairy products, Except Dried or Canned (SIC 5143)**—Establishments primarily engaged in the wholesale distribution of dairy products, such as butter, cheese, ice cream and ices, and fluid milk and cream. This industry



does not include establishments primarily engaged in pasteurizing and bottling milk, which are classified in Manufacturing, Industry Group 202. Establishments primarily engaged in the wholesale distribution of dried or canned dairy products are classified in Industry 5149.

**Poultry and poultry products (SIC 5144)**— Establishments primarily engaged in the wholesale distribution of poultry and poultry products, except canned and packaged frozen products. This industry does not include establishments primarily engaged in the killing and dressing of poultry, which are classified in Manufacturing, Industry 2015. Establishments primarily engaged in the wholesale distribution of packaged frozen poultry are classified in Industry 5142, and those distributing canned poultry are classified in Industry 5149.

**Confectionery (SIC 5145)**— Establishments primarily engaged in the wholesale distribution of confectionery and related products, such as candy, chewing gum, fountain fruits, salted or roasted nuts, popcorn, fountain syrups, and potato, corn, and similar chips.

**Fish and seafoods (SIC 5146)**—Establishments primarily engaged in the wholesale distribution (but not packaging) of fresh, cured, or frozen fish and seafoods, except canned or packaged frozen. The preparation of fresh or frozen packaged fish and other seafood, and the shucking and packing of fresh oysters in nonsealed containers, are classified in Manufacturing, Industry 2092. Establishments primarily engaged in the wholesale distribution of canned seafood are classified in Industry 5149, and those distributing packaged frozen foods are classified in Industry 5142.

**Meats and meat products (SIC 5147)**—Establishments primarily engaged in the wholesale distribution of fresh, cured, and processed (but not canned) meats and lard. Establishments primarily engaged in the wholesale distribution of frozen packaged meats are classified in Industry 5142, and those distributing canned meats are classified in Industry 5149.

**Fresh fruits and vegetables (SIC 5148)**—Establishments primarily engaged in the wholesale distribution of fresh fruits and vegetables.

**Groceries and related products, n.e.c. (SIC 5149)**—Establishments primarily engaged in the wholesale distribution of groceries and related products, not elsewhere classified. Establishments primarily engaged in the wholesale distribution of soft drinks, and in bottling and distributing natural spring and mineral waters, are classified in this industry, but establishments primarily engaged in bottling soft drinks are classified in Manufacturing, Major Group 20. This industry does not include establishments primarily engaged in the wholesale distribution of farm-product raw materials classified in Industry Group 515, nor those distributing beer, wine, and distilled alcoholic beverages of Industry Group 518.

SIC 5149 is subdivided in some tables into—

1. Coffee, tea, and spices.
2. Bread and baked goods.
3. Soft drinks.
4. Canned goods.
5. Food and beverage basic materials.
6. Other grocery specialties.

## **Farm-product raw materials (SIC 515)**

**Grain and field beans (SIC 5153)**—Establishments primarily engaged in buying and/or marketing grain (such as corn, wheat, oats, barley, and unpolished rice); dry beans, soybeans, and other inedible beans. Country grain elevators primarily engaged in buying or receiving grain from farmers are included, as well as terminal elevators and other merchants marketing grain. Establishments primarily engaged in the wholesale distribution of field and garden seeds are classified in Industry 5191.

**Livestock (SIC 5154)**—Establishments primarily engaged in buying and/or marketing cattle, hogs, sheep, and goats. This industry also includes the operation of livestock auction markets.

**Farm-product raw materials, n.e.c. (SIC 5159)**—Establishments primarily engaged in buying and/or marketing farm products, not elsewhere classified. Establishments primarily engaged in the wholesale distribution of milk are classified in Industry 5143, and those distributing live poultry are classified in Industry 5144.

SIC 5159 is subdivided in some tables into—

1. Hides, skins, and pelts.
2. Leaf tobacco.
3. Wool, wool tops, and mohair.
4. Cotton.
5. Other farm-product raw materials.

## **Chemicals and allied products (SIC 516)**

**Plastics materials and basic forms and shapes (SIC 5162)**—Establishments primarily engaged in the wholesale distribution of plastics materials, and of unsupported plastics film, sheets, sheeting, rods, tubes, and other basic forms and shapes.

**Chemicals and allied products, n.e.c. (SIC 5169)**—Establishments primarily engaged in the wholesale distribution of chemicals and allied products, not elsewhere classified, such as acids, industrial and heavy chemicals, dyestuffs, industrial salts, rosin, and turpentine.



Establishments primarily engaged in the wholesale distribution of ammunition are classified in Industry Group 509; those distributing agricultural chemicals and pesticides are classified in Industry 5191; those distributing drugs are classified in Industry 5122; and those distributing pigments, paints, and varnishes are classified in Industry 5198.

SIC 5169 is subdivided in some tables into—

1. Industrial gases, except LP.
2. Other chemicals and allied products.

### **Petroleum and petroleum products (SIC 517)**

**Petroleum bulk stations and terminals (SIC 5171)**—Establishments primarily engaged in the wholesaling of crude petroleum and petroleum products, including liquefied petroleum gas, from bulk liquid storage facilities.

SIC 5171 is subdivided in some tables into—

1. Petroleum bulk stations and terminals, except LP.
  - a. Petroleum bulk stations, except LP
  - b. Petroleum bulk terminals, except LP.
2. Liquefied petroleum gas bulk stations and terminals.

**Petroleum and petroleum products wholesalers, except bulk stations and terminals (SIC 5172)**—Establishments primarily engaged in the wholesale distribution of petroleum and petroleum products, except those with bulk liquid storage facilities. Included are packaged and bottled petroleum products distributors, truck jobbers, and others marketing petroleum and its products at wholesale, but without bulk liquid storage facilities.

### **Beer, wine and distilled alcoholic beverages (SIC 518)**

**Beer and ale (SIC 5181)**—Establishments primarily engaged in the wholesale distribution of beer, ale, porter, and other fermented malt beverages.

**Wine and distilled alcoholic beverages (SIC 5182)**—Establishments primarily engaged in the wholesale distribution of distilled spirits, including neutral spirits and ethyl alcohol used in blended wines and distilled liquors.

SIC 5182 is subdivided in some tables into—

1. Wine and distilled spirits—licensed operation.
2. Wine and distilled spirits—State operated.

### **Miscellaneous nondurable goods (SIC 519)**

**Farm supplies (SIC 5191)**—Establishments primarily engaged in the wholesale distribution of animal feeds, fertilizers, agricultural chemicals, pesticides, seeds, and

other farm supplies, except grains. Establishments primarily engaged in the wholesale distribution of pet food are classified in Industry 5149, and those distributing pet supplies are classified in Industry 5199.

SIC 5191 is subdivided in some tables into—

1. Farm supplies—farm dealers.
2. Farm supplies—wholesale distributors.

**Books, periodicals, and newspapers (SIC 5192)**—Establishments primarily engaged in the wholesale distribution of books, periodicals, and newspapers.

**Flowers, nursery stock, and florists' supplies (SIC 5193)**—Establishments primarily engaged in the wholesale distribution of flowers, nursery stock, and florists' supplies.

**Tobacco and tobacco products (SIC 5194)**—Establishments primarily engaged in the wholesale distribution of tobacco and its products. Leaf tobacco wholesalers are classified in Industry 5159, and establishments primarily engaged in stemming and redrying tobacco are classified in Manufacturing, Industry 2141.

**Paints, varnishes, and supplies (SIC 5198)**—Establishments primarily engaged in the wholesale distribution of paints, varnishes, wallpaper, and supplies. Establishments selling to the general public and known as retail in the trade are classified in Retail Trade, Industry 5231.

**Nondurable goods, n.e.c. (SIC 5199)**—Establishments primarily engaged in the wholesale distribution of nondurable goods, not elsewhere classified, such as art goods, industrial yarns, textile bags, and bagging and burlap.

SIC 5199 is subdivided in some tables into—

1. Art goods.
2. General merchandise-nondurable.
3. Textile bags and bagging.
4. Specialty advertising (sale of merchandise).
5. Other nondurable goods.

## **TYPE-OF-OPERATION CLASSIFICATIONS**

In addition to being classified by kind of business, each wholesale establishment was classified for the census by type of operation according to the ownership of the business, ownership of the goods sold, or character of the principal transactions. Establishments in wholesale trade are grouped into the following three major types of operation and related subgroups:

**Merchant wholesalers**—Establishments primarily engaged in buying and selling merchandise on their own account. Included here are such types of establishments as wholesale merchants or jobbers, industrial distributors, voluntary group wholesalers, importers, exporters, cash and carry wholesalers, retailer cooperative warehouses, terminal and country grain elevators, farm products assemblers, wholesale cooperative associations, and petroleum bulk plants and terminals operated by nonrefining companies.

*Wholesale distributors and jobbers*—Establishments primarily engaged in buying and selling merchandise in the domestic market not manufactured by the parent company.

*Importers*—Establishments buying and selling goods at wholesale on their own account, whose principal source of purchases was foreign.

*Exporters*—Establishments primarily engaged in purchasing goods in the United States and selling them to foreign customers.

*Terminal grain elevators*—Grain elevators primarily engaged in buying and selling grain received from country grain elevators and grain marketing establishments. They have sizable space for grain storage, and products are received primarily by rail or barge rather than by truck.

*Country grain elevators*—Grain elevators, cooperative or other, buying and receiving grain directly from farmers by truck and selling at wholesale.

*Assemblers of farm products, except country grain elevators*—Establishments primarily engaged in purchasing directly from farmers and assembling and marketing farm products at wholesale.

**Manufacturers' sales branches and offices**—Establishments maintained by manufacturing, refining, and mining companies apart from their plants or mines for marketing their products at wholesale. Branch stores selling to household consumers and individual users are classified in

retail trade. Sales branches and sales offices located at plants and at administrative offices are included when separate records are available. In some tables, data are shown separately for manufacturers' sales branches and for sales offices. These two types of establishments differ in that sales offices do not carry stocks of merchandise for delivery to customers.

**Agents, brokers, and commission merchants**—Establishments whose operators are in business for themselves and are primarily engaged in selling or buying goods for others. Included here are such types of operations as auction companies, import agents, export agents, selling agents, merchandise brokers, and commission merchants. "Sales" as shown in census publications for agents, brokers, and commission merchants represent the gross sales (or purchase) value of the goods in the transactions negotiated.

*Auction companies*—Wholesale establishments primarily engaged in selling merchandise on an agency basis by auction.

*Import agents*—Merchandise agents and brokers in the domestic market buying merchandise from or selling merchandise for foreign firms.

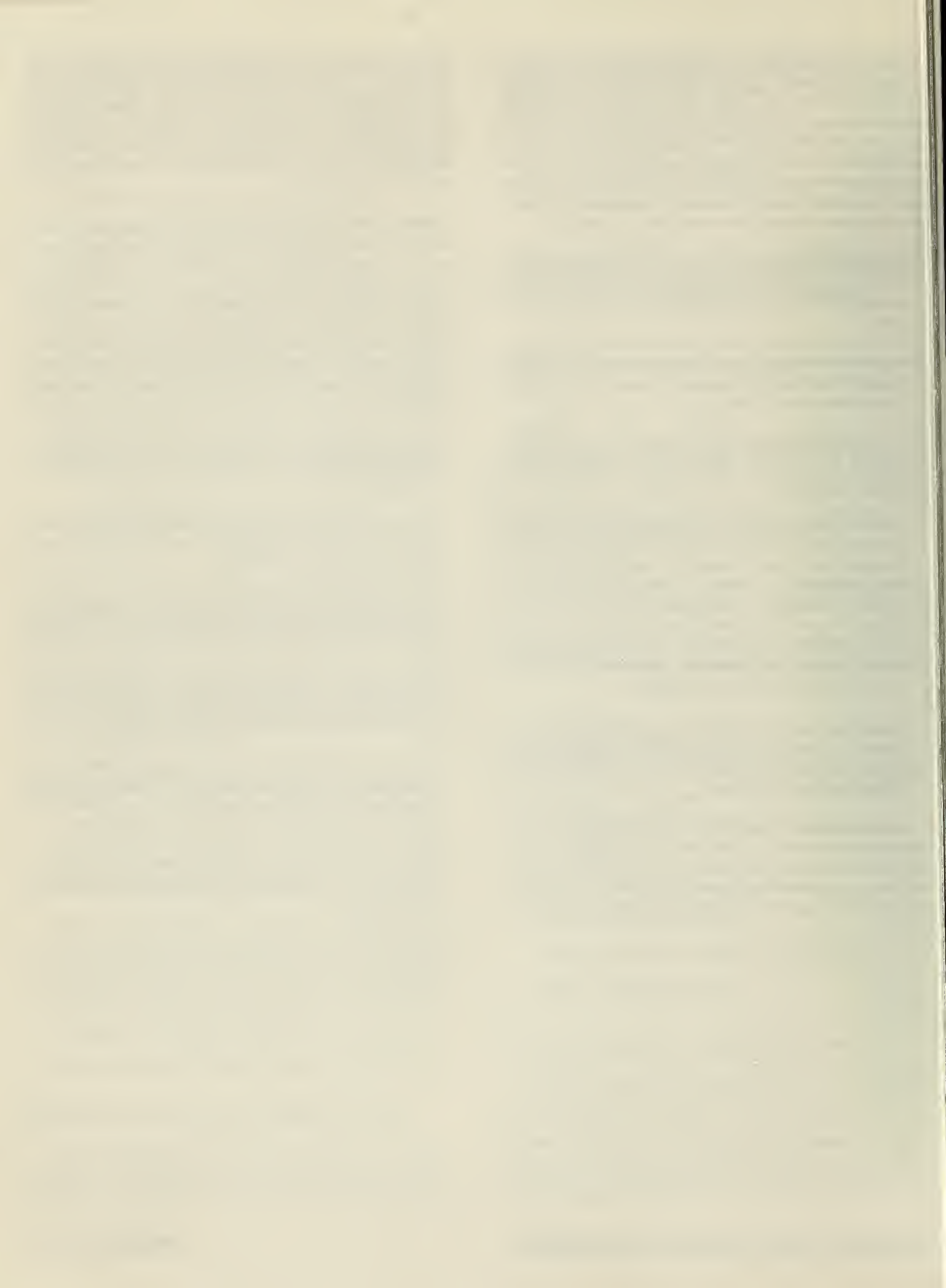
*Export agents*—Merchandise agents and brokers in the domestic market selling to or buying for foreign customers.

*Manufacturers' agents*—Wholesale establishments in the domestic market selling for a limited number of manufacturers on a continuing agency basis.

*Brokers (representing buyers or sellers)*—Wholesale establishments primarily engaged in selling or buying merchandise in the domestic market on a brokerage basis but not receiving the goods on consignment.

*Commission merchants*—Wholesale establishments operating in the domestic market receiving goods for sale on consignment.





# APPENDIX B. General Questions



U.S. DEPARTMENT OF COMMERCE  
BUREAU OF THE CENSUS

## 1987 CENSUS OF DISTRIBUTIVE TRADES

OMB APPROVAL NO. 0607-0620 EXPIRES 06/88

**NOTICE** — Response to this inquiry is required by law (Title 13, U.S. Code). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

Please complete this form and RETURN TO  
**BUREAU OF THE CENSUS**  
1201 East Tenth Street  
Jeffersonville, IN 47134

**DUE DATE: FEBRUARY 15, 1988**

If filing by the due date causes an undue burden, a time extension request should be sent to the above address; please include your 11-digit Census File Number (CFN).

**NOTE** — Please read the accompanying instructions before answering the questions.

In correspondence pertaining to this report, please refer to this Census File Number (CFN)

Employer Identification (EI) Number

Please correct errors in name, address, and ZIP Code. ENTER street and number if not shown.

**Item 1 — EMPLOYER IDENTIFICATION NUMBER**  
Is the Employer Identification (EI) Number shown in the label the SAME as that used for this establishment on its latest 1987 Employer's Quarterly Federal Tax Return, Treasury Form 941?

094 ☐ YES (9 digits)  
☐ NO — Enter current EI No. \_\_\_\_\_

**Item 2 — PHYSICAL LOCATION OF ESTABLISHMENT**

Answer items a, b, c, and d

**NOTE:** P.O. boxes or rural routes are not physical locations.

a. ☐ Same as shown in mailing label, if different, indicate change. ☒

NUMBER AND STREET  
CITY, TOWN, VILLAGE, ETC. STATE ZIP CODE

b. Is this establishment physically located inside the legal boundaries of the city, town, village, etc.?

095 ☐ YES ☐ No legal boundaries  
☐ NO ☐ Don't know

c. Type of municipality where physically located  
096 ☐ City, village, or borough ☐ Other or don't know  
☐ Town or township

d. Name of county where physically located

**Item 3 — OPERATIONAL STATUS**

Number of months  
002

a. How many months during 1987 did this firm or organization actively operate this establishment?

b. Mark (X) the ONE box which best describes this establishment at the end of 1987.

001 ☐ In operation  
☐ Temporarily or seasonally inactive  
☐ Ceased operation — Give date \_\_\_\_\_  
☐ Sold or leased to another operator — Give date at right AND enter name, etc., below ☒

NAME OF NEW OWNER OR OPERATOR  
NUMBER AND STREET  
CITY STATE ZIP CODE

**Item 4 — ORGANIZATIONAL STATUS** — Mark (X) the ONE box which best describes this establishment during 1987.

003 ☐ Individual proprietorship ☐ Corporation (Do not mark if any form of cooperative association.)  
☐ Partnership ☐ Other — Specify ☒  
☐ Cooperative association (taxable) ☐ Cooperative association (tax-exempt)  
☐ Governmental — Specify ☒

**Item 5 — INVENTORIES**

a. Did you have inventories at the end of 1986 or 1987?

110 ☐ YES — Complete the remainder of the item ☐ NO — SKIP to item 6

b. Are inventories of this establishment subject to the last-in, first-out (LIFO) method of valuation?

120 ☐ YES — Use the sum of the LIFO amount plus the LIFO reserve for items c and d(2) ☐ NO — Complete only line c

	End of 1987			End of 1986		
	Mil.	Thou.	Dol.	Mil.	Thou.	Dol.
c. Total Inventories	046			047		
d. LIFO users report the following for line (c):						
(1) Amount not subject to LIFO costing	111			121		
(2) Amount subject to LIFO costing (gross)	112			122		
e. Report the following applicable to line d(2):						
(1) Amount of the LIFO reserve	113			123		
(2) LIFO value of the line d(2) (net)	114			124		

**NOTE** — The sum of lines d(1), e(1), and e(2) should equal line c.

**HOW TO REPORT DOLLAR FIGURES**

Value figures may be reported in dollars or rounded to thousands. Example: If a figure is \$1,125,828, report either

Mil. (000)	Thou. (000)	Dol. (000)
1	125	828
1	126	828

**Item 6 — DOLLAR VOLUME OF BUSINESS IN 1987**  
e. Sales of merchandise and other operating receipts (including the gross selling value of business conducted for the account of others)

100

b. Did this establishment sell merchandise for the account of others on a commission or brokerage basis?

101

c. Gross selling value of business conducted on a commission or brokerage basis for the account of others (include in item 8e)

102

d. Dollar volume of commissions or brokerage received on transactions reported in item 8c

103

e. What percentage of the products sold by this establishment did your company (including firms under common ownership or control) manufacture or mine in the United States?

Percent

f. Dollar volume of transfers (billings) to other establishments within your company (DO NOT include in item 6e)

104

**Item 7 — PAYROLL AND EMPLOYMENT**

Mil. Thou. Dol.

a. Payroll in 1987, before deductions

030

(1) Total ANNUAL payroll

031

(2) FIRST QUARTER payroll (Jan. — Mar.)

032

b. Employment in 1987  
Number of paid employees for the pay period including March 12, 1987 (include both full- and part-time employees)

Number

**Item 8 — EMPLOYMENT BY PRINCIPAL ACTIVITY**  
Report the approximate number of employees at this establishment according to their principal activity during the pay period including March 12, 1987.

Number

a. Selling

131

b. Sales support (including office and clerical, warehousing, drivers, maintenance employees)

132

c. Central administrative and auxiliary

133

d. Manufacturing

134

e. Other — Specify

135

f. TOTAL — Sum of lines a through e should equal item 7b

136

**Item 9 — OPERATING EXPENSES**

Mil. Thou. Dol.

TOTAL 1987 operating expenses, including payroll but excluding cost of goods sold and interest expenses.

040

**Item 10 — SALES BY CUSTOMER CLASSES**  
Report the approximate percentage of your 1987 sales (item 8e) to each of the customer classes listed.

Report in whole percents

a. To farmers (for farm use)

140

b. To builders and contractors

141

c. Export sales

142

d. To retailers and repair shops

143

e. To wholesale establishments

144

f. To household consumers and individual users

145

g. To industrial users (manufacturing and mining)

146

h. To institutional, commercial, and professional users

147

i. To governmental bodies (federal, state, and local)

148

j. TOTAL — Sum of lines a through i should add to 100%

100%

PENALTY FOR FAILURE TO REPORT

CONTINUE ON PAGE 2



<b>Item 11 — TYPE OF OPERATION</b> Mark (X) the <b>ONE</b> box which best describes the basis on which the <b>MAJOR</b> portion of your business was conducted in 1987.				<b>b. Does this company own or control any other company or companies?</b> 098 1 <input type="checkbox"/> YES → 2 <input type="checkbox"/> NO				ENTER OWNED OR CONTROLLED COMPANY NAME, ADDRESS, AND ZIP CODE  EI No. (9 digits)			
a. Merchant (buying and selling on own account) 080 (1) Importer <input type="checkbox"/> 12 (2) Exporter <input type="checkbox"/> 13 (3) Merchant <input type="checkbox"/> 11 b. Manufacturers' sales branches and offices <input type="checkbox"/> 20 c. Agent, broker, commission merchant (1) Auction company <input type="checkbox"/> 41 (2) Broker (representing buyers or sellers) <input type="checkbox"/> 42 (3) Commission merchant <input type="checkbox"/> 43 (4) Import agent <input type="checkbox"/> 44 (5) Export agent <input type="checkbox"/> 45 (6) Manufacturer's agent <input type="checkbox"/> 46				<b>c. How many establishments were operated under the EI Number shown in the address label (or as corrected in item 1) at the end of 1987?</b> → 079				If more than one, provide the <b>physical location</b> address and other information indicated below for each establishment. The headquarters location should be listed on line 1, followed by other locations. If book figures are not available, estimates are acceptable. Continue with same format on a separate sheet if necessary.			
<b>Item 12 — KIND OF BUSINESS</b> Mark (X) the <b>ONE</b> box which best describes the <b>PRINCIPAL</b> kind of business of this establishment in 1987. 070  (Categories appropriate to individual form)				1 NAME, ADDRESS, AND ZIP CODE 1987 Mil. Thou. Dol. Sales 081 Annual payroll 082 Census use 088 089 KIND-OF-BUSINESS DESCRIPTION TYPE OF OPERATION (Choose from Item 11)				2 NAME, ADDRESS, AND ZIP CODE 1987 Mil. Thou. Dol. Sales 081 Annual payroll 082 Census use 088 089 KIND-OF-BUSINESS DESCRIPTION TYPE OF OPERATION (Choose from Item 11)			
<b>Item 13 — COMMODITY LINES</b> Report sales either in dollar figures (see example on page 1) or as a percent (in whole percents) of total sales (see example below). Report the fair sales value of merchandise marketed under capital, finance, or full payout leases and report the rental receipts derived in 1987 from merchandise under operating leases.				HOW TO REPORT PERCENTS If figure is 38.76% of total sales: • Report whole percents → 39 Not acceptable → 38.76				Please attach a separate sheet for any explanations that may be essential in understanding your reported data.			
Commodity lines Estimated sales during 1987 Mil. Thou. Dol. Percent (Categories appropriate to individual form)				<b>REMARKS</b> — Please use this space for any explanations that may be essential in understanding your reported data.							
<b>NOTE</b> Answer item 14 only if your Census File Number (CFN), shown in the address label of this report form, begins with a zero.				<b>Item 15 — CERTIFICATION</b> — This report is substantially accurate and has been prepared in accordance with instructions.							
<b>Item 14 — OWNERSHIP, CONTROL, AND LOCATIONS OF OPERATION</b> e. Is this company owned or controlled by another company? 097 1 <input type="checkbox"/> YES → 2 <input type="checkbox"/> NO				ENTER OWNING OR CONTROLLING COMPANY NAME, ADDRESS, AND ZIP CODE  EI No. (9 digits)							
Period covered by this report → FROM: Mo. Year TO: Mo. Year Name of person to contact regarding this report — Print or type Telephone → Area code Number Extension Signature of authorized person Date				Signature of authorized person Date							

# APPENDIX C.

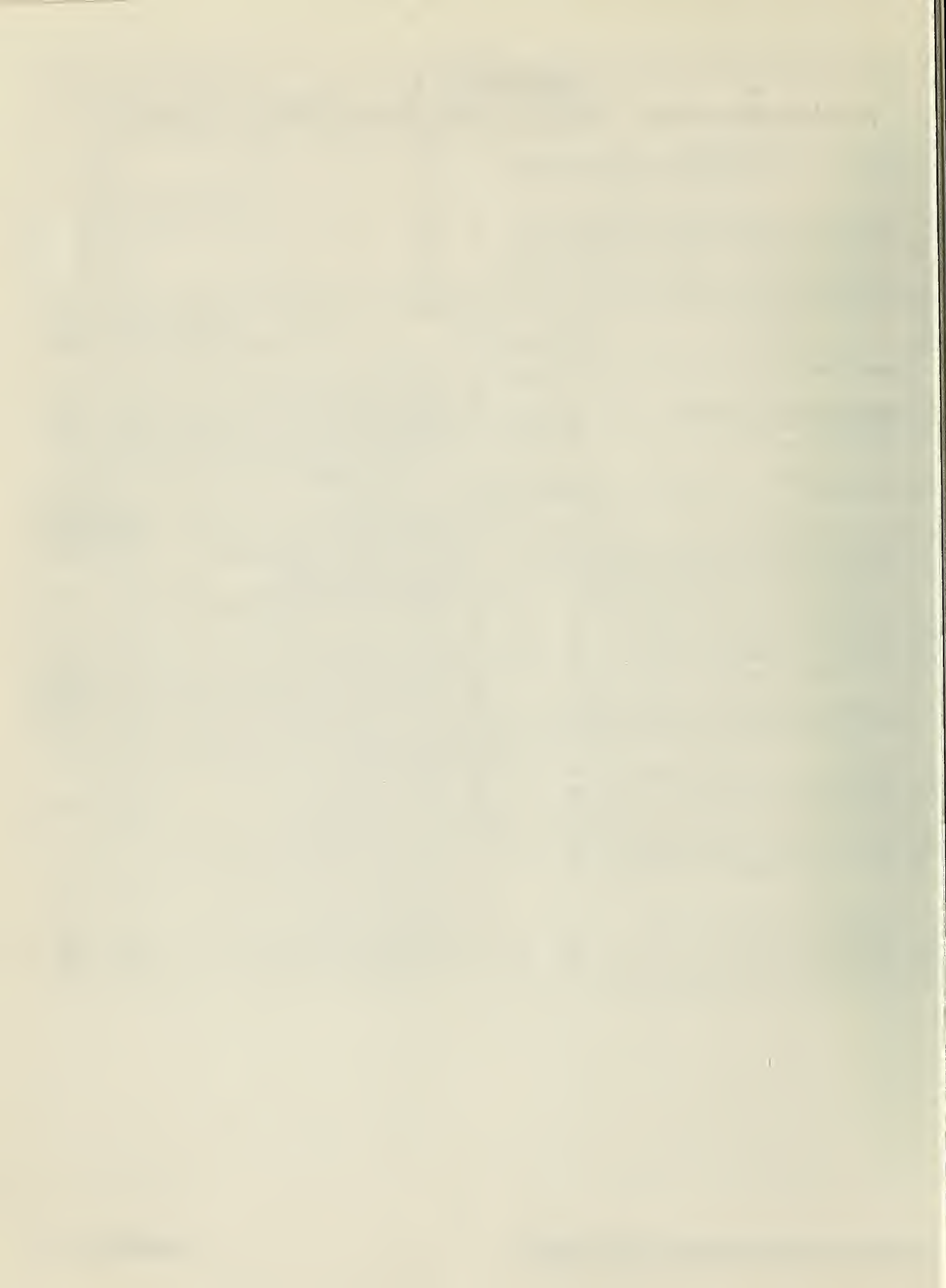
## Kind-of-Business Titles and Reporting-Form Numbers

[Listed below are wholesale kind-of-business titles and their corresponding reporting-form numbers. Requests for copies of any of these forms, including the inquiries used to classify establishment by kind of business, should be directed to the Business Division, Bureau of the Census, Washington, DC 20233]

1987 SIC code	Title	Standard form CB-	Short form CB-	1987 SIC code	Title	Standard form CB-	Short form CB-
	<b>DURABLE GOODS</b>				<b>DURABLE GOODS—Con.</b>		
501	Motor vehicles and motor vehicle parts and supplies:			509	Miscellaneous durable goods:		
5012	Automobiles and other motor vehicles .....	5012	5003	5091	Sporting and recreational goods and supplies .....	5041	5003
5013	Motor vehicle supplies and new parts .....	5013	5003	5092	Toys and hobby goods and supplies .....	5041	5003
5014	Tires and tubes .....	5013	5003	5093	Scrap and waste materials .....	5093	5003
5015	Motor vehicle parts, used .....	5013	5003	5094	Jewelry, watches, precious stones, and precious metals .....	5094	5003
				5099	Durable goods, n.e.c. ....	5099	5003
502	Furniture and homefurnishings:				<b>NONDURABLE GOODS</b>		
5021	Furniture .....	5021	5001				
5023	Homefurnishings .....	5021	5001	511	Paper and paper products:		
				5111	Printing and writing paper .....	5111	5102
503	Lumber and other construction materials:			5112	Stationery and office supplies .....	5111	5102
5031	Lumber, plywood, millwork, and wood panels .....	5031	5001	5113	Industrial and personal service paper .....	5111	5102
5032	Brick, stone, and related construction materials .....	5031	5001	512	Drugs, drug proprietaries, and druggists' sundries:		
5033	Roofing, siding, and insulation materials .....	5031	5001	5122	Drugs, drug proprietaries, and druggists' sundries .....	5122	5102
5039	Construction materials, n.e.c. ....	5031	5001				
504	Professional and commercial equipment and supplies:			513	Apparel, piece goods, and notions:		
5043	Photographic equipment and supplies .....	5041	5003	5131	Piece goods, notions, and other dry goods .....	5133	5102
5044	Office equipment .....	5081	5002	5136	Men's and boys' clothing and furnishings .....	5136	5102
5045	Computers and computer peripheral equipment and software .....	5081	5002	5137	Women's, children's and infants' clothing and accessories .....	5136	5102
5046	Commercial equipment, n.e.c. ....	5081	5002	5139	Footwear .....	5136	5102
5047	Medical, dental, and hospital equipment and supplies .....	5086	5002				
5048	Ophthalmic goods .....	5086	5002	514	Groceries and related products:		
5049	Professional equipment and supplies, n.e.c. ....	5086	5002	5141	Groceries, general line .....	5141	5101
505	Metals and minerals, except petroleum:			5142	Packaged frozen foods .....	5142	5101
5051	Metals service centers and offices .....	5051	5003	5143	Dairy products, except dried or canned .....	5143	5101
5052	Coal and other minerals and ores .....	5052	5003	5144	Poultry and poultry products .....	5144	5101
				5145	Confectionery .....	5145	5101
506	Electrical goods:			5146	Fish and seafoods .....	5146	5101
5063	Electrical apparatus and equipment, wiring supplies, and construction materials .....	5063	5001	5147	Meats and meat products .....	5147	5101
5064	Electrical appliances, television and radio sets .....	5063	5001	5148	Fresh fruits and vegetables .....	5148	5101
5065	Electronic parts and equipment, n.e.c. ....	5063	5001	5149	Groceries and related products, n.e.c. ....	5141	5101
507	Hardware, and plumbing and heating equipment and supplies:			515	Farm-product raw materials:		
5072	Hardware .....	5072	5001	5153	Grain and field beans .....	5152	5103
5074	Plumbing and heating equipment and supplies (hydronics) .....	5072	5001	5154	Livestock .....	5154	5103
5075	Warm air heating and air-conditioning equipment and supplies .....	5072	5001	5159	Farm-product raw materials, n.e.c. ....	5152	5103
5078	Refrigeration equipment and supplies .....	5072	5001				
508	Machinery, equipment, and supplies:			516	Chemicals and allied products:		
5082	Construction and mining (except petroleum) machinery and equipment .....	5082	5002	5162	Plastics materials and basic forms and shapes .....	5161	5102
5083	Farm and garden machinery and equipment .....	5083	5002	5169	Chemicals and allied products, n.e.c. ....	5161	5102
5084	Industrial machinery and equipment .....	5084	5002				
5085	Industrial supplies .....	5085	5002	517	Petroleum and petroleum products:		
5087	Service establishment equipment and supplies .....	5087	5002	5171	Petroleum bulk stations and terminals .....	5171	'NA
5088	Transportation equipment and supplies, except motor vehicles .....	5088	5002	5172	Petroleum and petroleum products wholesalers, except bulk stations and terminals .....	5171	'NA
				518	Beer, wine, and distilled alcoholic beverages:		
				5181	Beer and ale .....	5181	5103
				5182	Wine and distilled alcoholic beverages .....	5181	5103
				519	Miscellaneous nondurable goods:		
				5191	Farm supplies .....	5191	5102
				5192	Books, periodicals, and newspapers .....	5199	5102
				5193	Flowers, nursery stock, and florists' supplies .....	5199	5102
				5194	Tobacco and tobacco products .....	5194	5102
				5198	Paints, varnishes, and supplies .....	5198	5102
				5199	Nondurable goods, n.e.c. ....	5199	5102

<sup>1</sup>Petroleum wholesalers were all sent form CB-5171.





## APPENDIX D. Metropolitan Statistical Areas

[Titles and definitions shown for MSA's, PMSA's, and CMSA's are those established by the Office of Management and Budget, as of June 30, 1987]

### **RHODE ISLAND**

**Fall River, MA-RI PMSA—see Providence-Pawtucket-Fall River, RI-MA CMSA**

**New London-Norwich, CT-RI MSA**

New London County, CT (part)  
 Bozrah town, CT  
 East Lyme town, CT  
 Franklin town, CT  
 Griswold town balance, CT  
 Groton city, CT  
 Groton town balance, CT  
 Jewett City borough, CT  
 Ledyard town, CT  
 Lisbon town, CT  
 Montville town, CT  
 New London city, CT  
 North Stonington town, CT  
 Norwich city, CT  
 Old Lyme town, CT  
 Preston town, CT  
 Salem town, CT  
 Sprague town, CT  
 Stonington town, CT  
 Waterford town, CT  
 Windham County, CT (part)  
 Canterbury town, CT  
 Washington County, RI (part)  
 Hopkinton town, RI  
 Westerly town, RI

**Pawtucket-Woonsocket-Attleboro, RI-MA PMSA—see Providence-Pawtucket-Fall River, RI-MA CMSA**

**Providence, RI PMSA—see Providence-Pawtucket-Fall River, RI-MA CMSA**

**Providence-Pawtucket-Fall River, RI-MA CMSA**

Fall River, MA-RI PMSA  
 Bristol County, MA (part)  
 Fall River city, MA  
 Somerset town, MA  
 Swansea town, MA  
 Westport town, MA  
 Newport County, RI (part)  
 Little Compton town, RI  
 Tiverton town, RI  
 Pawtucket-Woonsocket-Attleboro, RI-MA PMSA  
 Bristol County, MA (part)  
 Attleboro city, MA  
 North Attleborough town, MA

**Providence-Pawtucket-Fall River, RI-MA CMSA—Con.**

Pawtucket-Woonsocket-Attleboro, RI-MA PMSA—Con.

Bristol County, MA (part)—Con.

Rehoboth town, MA

Seekonk town, MA

Norfolk County, MA (part)

Plainville town, MA

Worcester County, MA (part)

Blackstone town, MA

Millville town, MA

Providence County, RI (part)

Burrillville town, RI

Central Falls city, RI

Cumberland town, RI

Lincoln town, RI

North Smithfield town, RI

Pawtucket city, RI

Smithfield town, RI

Woonsocket city, RI

Providence, RI PMSA

Bristol County, RI (part)

Barrington town, RI

Bristol town, RI

Warren town, RI

Kent County, RI (part)

Coventry town, RI

East Greenwich town, RI

Warwick city, RI

West Warwick town, RI

Newport County, RI (part)

Jamestown town, RI

Providence County, RI (part)

Cranston city, RI

East Providence city, RI

Foster town, RI

Glocester town, RI

Johnston town, RI

North Providence town, RI

Providence city, RI

Scituate town, RI

Washington County, RI (part)

Exeter town, RI

Narragansett town, RI

North Kingstown town, RI

Richmond town, RI

South Kingstown town, RI





# APPENDIX E.

## Percent of Sales Data Based on Administrative Records and Estimation for the State: 1987

[For meaning of abbreviations and symbols and for more information on reliability of data, see introductory text. For explanation of terms and comparability of 1982 and 1987 censuses, see appendix A]

1987 SIC code	Kind of business	Percent of sales†—		1987 SIC code	Kind of business	Percent of sales†—	
		From administra- tive records¹	Estimated²			From administra- tive records¹	Estimated²
	Wholesale trade .....	0	0		Wholesale trade—Con.		
50	Durable goods .....	0	0	50	Durable goods—Con.		
501	Motor vehicles and motor vehicle parts and supplies .....	1	0	509	Miscellaneous durable goods .....	0	0
5012	Automobiles and other motor vehicles .....	0	0	5091	Sporting and recreational goods and supplies .....	0	0
5013	Motor vehicle supplies and new parts .....	1	0	5092	Toys and hobby goods and supplies .....	3	0
5014	Tires and tubes .....	2	1	5093	Scrap and waste materials .....	1	0
5015	Motor vehicle parts, used .....	1	0	5094	Jewelry, watches, precious stones, and precious metals ..	0	0
				5099	Durable goods, n.e.c. ....	1	0
502	Furniture and home furnishings .....	0	1	51	Nondurable goods .....	0	0
5021	Furniture .....	0	2	511	Paper and paper products .....	0	0
5023	Home furnishings .....	0	1	5111	Printing and writing paper .....	0	0
				5112	Stationery and office supplies .....	0	1
503	Lumber and other construction materials .....	0	0	5113	Industrial and personal service paper .....	2	0
5031	Lumber, plywood, millwork, and wood panels .....	0	0	512	Drugs, drug proprietaries, and druggists' sundries .....	(D)	(D)
5032	Brick, stone, and related construction materials .....	1	0	5122	Drugs, drug proprietaries, and druggists' sundries .....	(D)	(D)
5033	Roofing, siding, and insulation materials .....	1	0	513	Apparel, piece goods, and notions .....	0	0
5039	Construction materials, n.e.c. ....	0	0	5131	Piece goods, notions, and other dry goods .....	0	1
504	Professional and commercial equipment and supplies .....	0	0	5136	Men's and boys' clothing and furnishings .....	(D)	(D)
5043	Photographic equipment and supplies .....	1	0	5137	Women's, children's and infants' clothing and accessories .....	0	0
5044	Office equipment .....	1	2	5139	Footwear .....	(D)	(D)
5045	Computers and computer peripheral equipment and software .....	0	0	514	Groceries and related products .....	0	0
5046	Commercial equipment, n.e.c. ....	0	0	5141	Groceries, general line .....	(D)	(D)
5047	Medical, dental, and hospital equipment and supplies .....	0	0	5142	Packaged frozen foods .....	3	0
5048	Ophthalmic goods .....	3	0	5143	Dairy products, except dried or canned .....	(D)	(D)
5049	Professional equipment and supplies, n.e.c. ....	0	1	5144	Poultry and poultry products .....	(D)	(D)
				5145	Confectionery .....	0	0
505	Metals and minerals, except petroleum .....	1	0	5146	Fish and seafoods .....	1	0
5051	Metals service centers and offices .....	(D)	(D)	5147	Meats and meat products .....	0	0
5052	Coal and other minerals and ores .....	(D)	(D)	5148	Fresh fruits and vegetables .....	0	0
				5149	Groceries and related products, n.e.c. ....	0	0
506	Electrical goods .....	0	0	515	Farm-product raw materials .....	(D)	(D)
5063	Electrical apparatus and equipment, wiring supplies, and construction materials .....	0	0	5153	Grain and field beans .....	(D)	(D)
5064	Electrical appliances, television and radio sets .....	0	0	5154	Livestock .....	0	0
5065	Electronic parts and equipment, n.e.c. ....	0	0	5159	Farm-product raw materials, n.e.c. ....	(D)	(D)
507	Hardware, and plumbing and heating equipment and supplies .....	0	1	516	Chemicals and allied products .....	0	0
5072	Hardware .....	0	0	5162	Plastics materials and basic forms and shapes .....	0	1
5074	Plumbing and heating equipment and supplies (hydronics) .....	0	1	5169	Chemicals and allied products, n.e.c. ....	0	0
5075	Warm air heating and air-conditioning equipment and supplies .....	0	0	517	Petroleum and petroleum products .....	0	0
5078	Refrigeration equipment and supplies .....	0	0	5171	Petroleum bulk stations and terminals .....	0	0
508	Machinery, equipment, and supplies .....	1	0	5172	Petroleum and petroleum products wholesalers, except bulk stations and terminals .....	0	0
5082	Construction and mining (except petroleum) machinery and equipment .....	3	0	518	Beer, wine, and distilled alcoholic beverages .....	0	0
5083	Farm and garden machinery and equipment .....	3	0	5181	Beer and ale .....	0	0
5084	Industrial machinery and equipment .....	0	0	5182	Wine and distilled alcoholic beverages .....	0	0
5085	Industrial supplies .....	0	1	519	Miscellaneous nondurable goods .....	0	0
5087	Service establishment equipment and supplies .....	1	0	5191	Farm supplies .....	1	0
5088	Transportation equipment and supplies, except motor vehicles .....	0	1	5192	Books, periodicals, and newspapers .....	0	1
				5193	Flowers, nursery stock, and florists' supplies .....	1	0
				5194	Tobacco and tobacco products .....	0	0
				5198	Paints, varnishes, and supplies .....	0	0
				5199	Nondurable goods, n.e.c. ....	0	0

† Coverage symbols: 0—Less than 10 percent; 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

¹Includes sales information obtained from administrative records of other Federal agencies.

²Includes sales information which was imputed based on historic company ratios or administrative records, or on industry averages.



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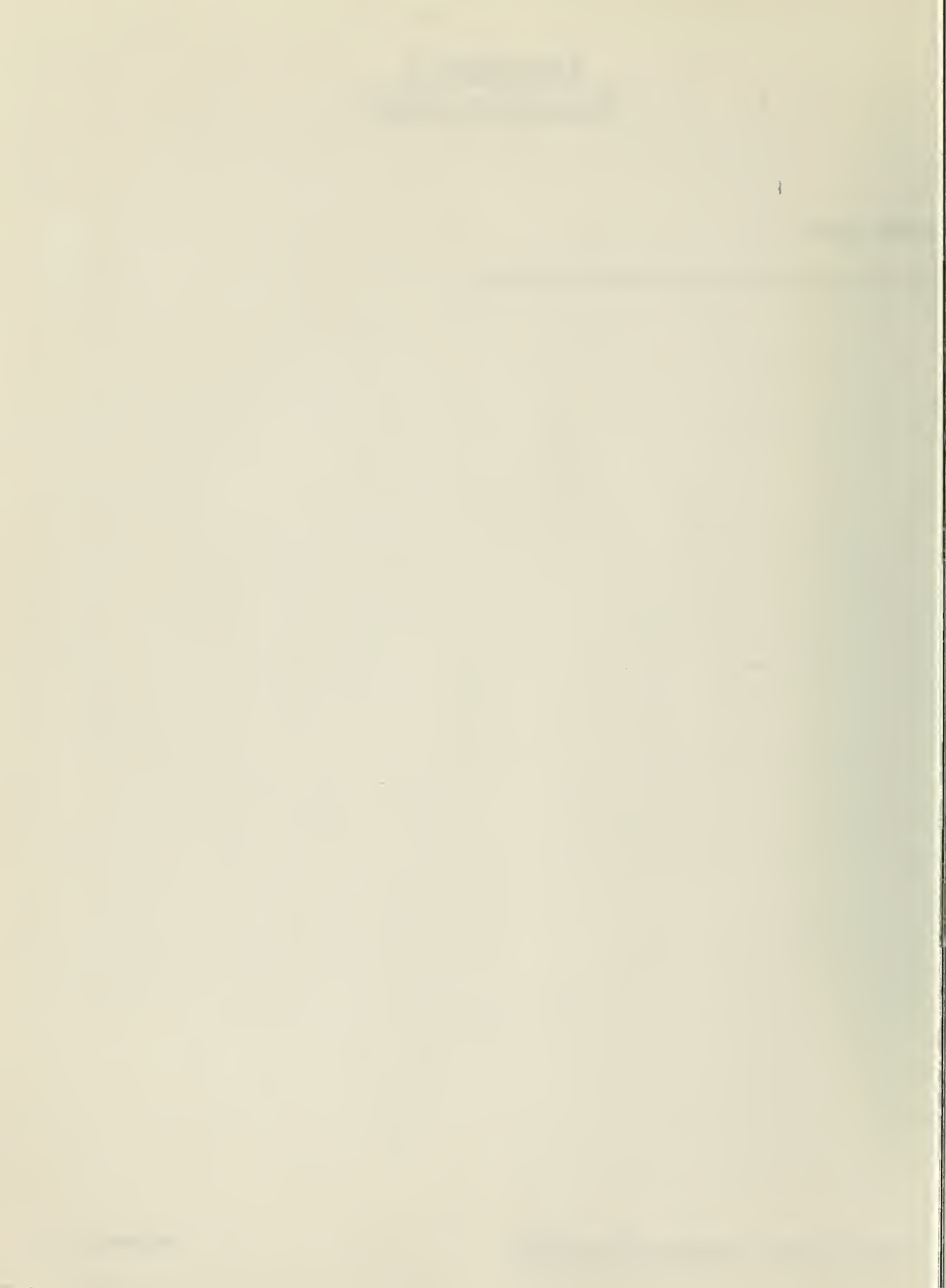
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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## **APPENDIX F. Geographic Notes**

### **RHODE ISLAND**

There are no geographic notes for the State of Rhode Island.





# APPENDIX G.

## Establishments in Business Any Time During Year and Establishments in Business at End of Year Based on 1972 Standard Industrial Classifications for the State: 1987 and 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms and comparability of 1982 and 1987 censuses, including revised methodology for presenting establishment counts, see appendix A]

1972 SIC code	1987 SIC code	Kind of business	Establishments in business—			
			Any time during year		At end of year	
			1987	1982	1987	1982
		Wholesale trade .....	1 708	1 627	1 600	1 549
50		Durable goods .....	1 098	1 036	1 035	984
501		Motor vehicles and automotive parts and supplies .....	149	157	142	152
5012	5012	Automobiles and other motor vehicles .....	33	34	30	29
5013		Automotive parts and supplies .....	108	115	104	115
	5013	Motor vehicle supplies and new parts .....	97	108	94	108
	5015 pt.	Motor vehicle parts, used .....	11	7	10	7
5014	5014	Tires and tubes .....	8	8	8	8
502		Furniture and home furnishings .....	35	29	35	26
5021	5021	Furniture .....	13	6	13	6
5023	5023	Home furnishings .....	22	23	22	20
503		Lumber and other construction materials .....	55	61	52	58
5031	5031	Lumber, plywood, millwork, and wood panels .....	16	18	15	16
5039		Construction materials, n.e.c. ....	39	43	37	42
	5032	Brick, stone, and related construction materials .....	11	18	11	18
	5033	Roofing, siding, and insulation materials .....	13	13	12	13
	5039	Construction materials, n.e.c. ....	15	12	14	11
504		Sporting, recreational, photographic, and hobby goods, toys and supplies .....	26	33	25	30
5041	5091	Sporting and recreational goods and supplies .....	15	17	14	16
5042	5092	Toys and hobby goods and supplies .....	7	9	7	8
5043	5043	Photographic equipment and supplies .....	4	7	4	6
505		Metals and minerals, except petroleum .....	40	34	36	32
5051	5051	Metals service centers and offices .....	39	34	35	32
5052	5052	Coal and other minerals and ores .....	1	-	1	-
506		Electrical goods .....	102	84	93	79
5063		Electrical apparatus and equipment, wiring supplies, and construction materials ..	56	50	52	48
	5063	Electrical apparatus and equipment, wiring supplies, and construction materials	45	-	42	-
	5065 pt.	Electronic parts and equipment, n.e.c. ....	4	-	3	-
	5084 pt.	Industrial machinery and equipment .....	7	-	7	-
5064	5064	Electrical appliances, television and radio sets .....	8	8	7	7
5065	5065 pt.	Electronic parts and equipment, n.e.c. ....	38	26	34	24
507		Hardware, and plumbing and heating equipment and supplies .....	85	74	84	71
5072	5072	Hardware .....	30	21	30	21
5074	5074	Plumbing and heating equipment and supplies (hydronics) .....	40	40	39	37
5075	5075	Warm air heating and air-conditioning equipment and supplies .....	8	7	8	7
5078	5078	Refrigeration equipment and supplies .....	7	6	7	6
508		Machinery, equipment, and supplies .....	353	336	326	318
5081		Commercial machines and equipment .....	103	84	94	79
	5044	Office equipment .....	33	-	30	-
	5045	Computers and computer peripheral equipment and software .....	44	-	41	-
	5046	Commercial equipment, n.e.c. ....	26	22	23	20
5082	5082	Construction and mining (except petroleum) machinery and equipment .....	12	13	11	13
5083	5083	Farm and garden machinery and equipment .....	7	4	7	4
5084	5084 pt.	Industrial machinery and equipment .....	95	96	88	89
5085	5085	Industrial supplies .....	58	63	54	62
5086		Professional equipment and supplies .....	36	40	32	36
	5047	Medical, dental, and hospital equipment and supplies .....	20	22	17	22
	5048	Ophthalmic goods .....	5	7	5	4
	5049	Professional equipment and supplies, n.e.c. ....	11	11	10	10
5087	5087	Service establishment equipment and supplies .....	33	27	31	26
5088	5088	Transportation equipment and supplies, except motor vehicles .....	9	9	9	9
509		Miscellaneous durable goods .....	253	228	242	218
5093	5093	Scrap and waste materials .....	48	55	47	53
5094	5094	Jewelry, watches, precious stones, and precious metals .....	177	146	170	139
5099	5099 pt.	Durable goods, n.e.c. ....	28	27	25	26
51		Nondurable goods .....	610	591	565	565
511		Paper and paper products .....	74	62	70	60
5111	5111	Printing and writing paper .....	9	14	9	14
5112	5112	Stationery and office supplies .....	39	26	37	26
5113	5113	Industrial and personal service paper .....	26	22	24	20



[For meaning of abbreviations and symbols, see introductory text. For explanation of terms and comparability of 1982 and 1987 censuses, including revised methodology for presenting establishment counts, see appendix A.]

1972 SIC code	1987 SIC code	Kind of business	Establishments in business—			
			Any time during year		At end of year	
			1987	1982	1987	1982
51		Nondurable goods—Con.				
512		Drugs, drug proprietaries, and druggists' sundries .....	12	12	12	11
5122	5122	Drugs, drug proprietaries, and druggists' sundries .....	12	12	12	11
513		Apparel, piece goods, and notions .....	43	48	41	45
5133	5131 pt.	Piece goods .....	18	21	17	19
5134	5131 pt.	Notions and other dry goods .....	6	4	6	4
5136	5136	Men's and boys' clothing and furnishings .....	7	10	7	10
5137	5137	Women's, children's, and infants' clothing and accessories .....	8	9	7	9
5139	5139	Footware .....	4	4	4	3
514		Groceries and related products .....	213	211	196	204
5141	5141	Groceries, general line .....	12	13	10	11
5142	5142	Packaged frozen foods .....	12	10	11	9
5143	5143	Dairy products, except dried or canned .....	13	11	13	11
5144	5144	Poultry and poultry products .....	11	13	10	13
5145	5145	Confectionery .....	14	12	13	12
5146	5146	Fish and seafoods .....	55	35	50	35
5147	5147	Meats and meat products .....	29	31	28	29
5148	5148	Fresh fruits and vegetables .....	21	31	19	31
5149	5149	Groceries and related products, n.e.c. ....	46	55	42	53
515		Farm-product raw materials .....	2	1	2	1
5152	5159 pt.	Cotton .....	—	—	—	—
5153	5153	Grain and field beans .....	1	—	1	—
5154	5154	Livestock .....	—	—	—	—
5159	5159 pt.	Farm-product raw materials, n.e.c. ....	1	1	1	1
516		Chemicals and allied products .....	62	63	60	60
5161		Chemicals and allied products .....	62	63	60	60
	5162	Plastics materials and basic forms and shapes .....	15	13	14	12
	5169	Chemicals and allied products, n.e.c. ....	47	50	46	48
517		Petroleum and petroleum products .....	36	35	33	32
5171	5171	Petroleum bulk stations and terminals .....	24	21	23	20
5172	5172	Petroleum and petroleum products wholesalers, except bulk stations and terminals .....	12	14	10	12
518		Beer, wine, and distilled alcoholic beverages .....	19	17	16	17
5181	5181	Beer and ale .....	8	6	6	6
5182	5182	Wine and distilled alcoholic beverages .....	11	11	10	11
519		Miscellaneous nondurable goods .....	149	142	135	135
5191	5191	Farm supplies .....	23	20	20	19
5194	5194	Tobacco and tobacco products .....	10	14	10	14
5198	5198	Paints, varnishes and supplies .....	10	13	8	13
5199		Nondurable goods, n.e.c. ....	106	95	97	89
	5099 pt.	Durable goods, n.e.c. ....	7	—	6	—
	5192	Books, periodicals, and newspapers .....	9	13	9	9
	5193	Flowers, nursery stock, and florists' supplies .....	12	11	10	11
	5199	Nondurable goods, n.e.c. ....	78	—	72	—

# APPENDIX H.

## Changes in Wholesale Trade Kind-of-Business Classifications for 1987

[Based on revisions to the Standard Industrial classification (SIC) Manual, definitions of some kinds of business were changed for 1987. The significant changes in SIC codes from 1972 to 1987 are listed below. For industries other than those listed, the SIC definitions are the same as those used since 1972, or contain only minor revisions affecting the classification of few, if any, establishments]

1987 SIC (used for 1987 census reports)

1972 SIC (used for 1972, 1977, and 1982 census reports)

Code	Title	Code	Title
5013	Motor vehicle supplies and new parts .....	5013 pt.	Automotive parts and supplies (except used)
5015	Motor vehicle parts, used .....	5013 pt. 5931 pt.	Used automotive parts, equipment and supplies (wholesale) Used automotive parts, equipment and supplies (retail)
5023	Home furnishings <sup>1</sup> .....	5023	Home furnishings <sup>1</sup>
5032	Brick, stone, and related construction materials .....	5039	Construction materials, n.e.c.
5033	Roofing, siding, and insulation materials .....		
5039	Construction materials, n.e.c. ....		
5044	Office equipment .....	5081	Commercial machines and equipment
5045	Computers and computer peripheral equipment and software .....		
5046	Commercial equipment, n.e.c. ....		
5047	Medical, dental, and hospital equipment and supplies .....	5086	Professional equipment and supplies
5048	Ophthalmic goods .....		
5049	Professional equipment and supplies, n.e.c. ....		
5063	Electrical apparatus and equipment, wiring supplies, and construction materials .....	5063 pt.	Electrical apparatus and equipment, wiring supplies, and construction materials <sup>2</sup>
5065	Electronic parts and equipment, n.e.c. ....	5065 5063 pt.	Electronic parts and equipment Electrical apparatus and equipment, wiring supplies, and construction materials <sup>3</sup>
5082	Construction and mining (except petroleum) machinery and equipment <sup>1</sup> .....	5082	Construction and mining machinery and equipment
5084	Industrial machinery and equipment .....	5084 5063 pt.	Industrial machinery and equipment Electrical apparatus and equipment, wiring supplies and construction materials <sup>4</sup>
5091	Sporting and recreational goods and supplies <sup>1</sup> .....	5041	Sporting and recreational goods and supplies
5092	Toys and hobby goods and supplies <sup>1</sup> .....	5042	Toys and hobby goods and supplies
5094	Jewelry, watches, precious stones, and precious metals <sup>1</sup> .....	5094	Jewelry, watches, diamonds, and other precious stones <sup>1</sup>
5099	Durable goods, n.e.c. ....	5099 5199 pt.	Durable goods, n.e.c. Nondurable goods, n.e.c. <sup>5</sup>
5112	Stationery and office supplies <sup>1</sup> .....	5112	Stationery supplies <sup>1</sup>
5131	Piece goods, notions, and other dry goods .....	5133 5134	Piece goods (woven fabrics) Notions and other dry goods
5142	Packaged frozen foods <sup>1</sup> .....	5142	Frozen foods <sup>1</sup>
5143	Dairy products, except dried or canned <sup>1</sup> .....	5143	Dairy products <sup>1</sup>
5153	Grain and field beans <sup>1</sup> .....	5153	Grain <sup>1</sup>
5159	Farm-product raw materials, n.e.c. ....	5152 5159	Cotton Farm-product raw materials, n.e.c.
5162	Plastics materials and basic forms and shapes .....	5161	Chemicals and allied products
5169	Chemicals and allied products, n.e.c. ....		
5192	Books, periodicals, and newspapers .....	5199	Nondurable goods, n.e.c. <sup>6</sup>
5193	Flowers, nursery stock, and florists' supplies .....		
5199	Nondurable goods, n.e.c. ....		

<sup>1</sup>No change in content.

<sup>2</sup>Excluding electrical communications equipment now in SIC 5065 and electrical measuring and testing equipment now in SIC 5084.

<sup>3</sup>Electrical communications equipment part only, now in SIC 5065.

<sup>4</sup>Electrical measuring and testing equipment part only, now in SIC 5084.

<sup>5</sup>General merchandise, durable part only, now in SIC 5099.

<sup>6</sup>All of SIC 5199 except durable goods general merchandise wholesalers. In 1972, all general merchandise wholesalers were in SIC 5199, for 1987 general merchandise wholesalers selling primarily durable goods were moved to SIC 5099.



# 1. Introduction

The purpose of this study is to investigate the effects of various factors on the performance of a system. The study is organized as follows: Section 2 describes the system and the factors being investigated. Section 3 presents the experimental design and the results of the experiments. Section 4 discusses the implications of the results and the conclusions of the study.

Table 1: System Parameters	
Parameter	Value
System Type	Single-Phase
Frequency	50 Hz
Voltage	230 V
Power	100 W
Efficiency	0.85
Power Factor	0.95
Harmonic Distortion	5%
Temperature	25°C
Humidity	50%
Altitude	1000 m
Age	10 years
Manufacturer	ABC Company
Model	XYZ-123
Serial Number	123456789
Warranty	3 years
Service Center	DEF Service
Installation Date	2010-01-01
Last Maintenance	2015-06-01
Next Maintenance	2016-06-01
Current Status	Operational
Notes	Regular maintenance performed.

Table 2: Experimental Results	
Experiment	Result
1. System Performance	Good
2. Factor A Effect	Positive
3. Factor B Effect	Negative
4. Factor C Effect	Neutral
5. Factor D Effect	Positive
6. Factor E Effect	Negative
7. Factor F Effect	Positive
8. Factor G Effect	Negative
9. Factor H Effect	Positive
10. Factor I Effect	Negative
11. Factor J Effect	Positive
12. Factor K Effect	Negative
13. Factor L Effect	Positive
14. Factor M Effect	Negative
15. Factor N Effect	Positive
16. Factor O Effect	Negative
17. Factor P Effect	Positive
18. Factor Q Effect	Negative
19. Factor R Effect	Positive
20. Factor S Effect	Negative
21. Factor T Effect	Positive
22. Factor U Effect	Negative
23. Factor V Effect	Positive
24. Factor W Effect	Negative
25. Factor X Effect	Positive
26. Factor Y Effect	Negative
27. Factor Z Effect	Positive
28. Factor AA Effect	Negative
29. Factor AB Effect	Positive
30. Factor AC Effect	Negative
31. Factor AD Effect	Positive
32. Factor AE Effect	Negative
33. Factor AF Effect	Positive
34. Factor AG Effect	Negative
35. Factor AH Effect	Positive
36. Factor AI Effect	Negative
37. Factor AJ Effect	Positive
38. Factor AK Effect	Negative
39. Factor AL Effect	Positive
40. Factor AM Effect	Negative
41. Factor AN Effect	Positive
42. Factor AO Effect	Negative
43. Factor AP Effect	Positive
44. Factor AQ Effect	Negative
45. Factor AR Effect	Positive
46. Factor AS Effect	Negative
47. Factor AT Effect	Positive
48. Factor AU Effect	Negative
49. Factor AV Effect	Positive
50. Factor AW Effect	Negative
51. Factor AX Effect	Positive
52. Factor AY Effect	Negative
53. Factor AZ Effect	Positive
54. Factor BA Effect	Negative
55. Factor BB Effect	Positive
56. Factor BC Effect	Negative
57. Factor BD Effect	Positive
58. Factor BE Effect	Negative
59. Factor BF Effect	Positive
60. Factor BG Effect	Negative
61. Factor BH Effect	Positive
62. Factor BI Effect	Negative
63. Factor BJ Effect	Positive
64. Factor BK Effect	Negative
65. Factor BL Effect	Positive
66. Factor BM Effect	Negative
67. Factor BN Effect	Positive
68. Factor BO Effect	Negative
69. Factor BP Effect	Positive
70. Factor BQ Effect	Negative
71. Factor BR Effect	Positive
72. Factor BS Effect	Negative
73. Factor BT Effect	Positive
74. Factor BU Effect	Negative
75. Factor BV Effect	Positive
76. Factor BW Effect	Negative
77. Factor BX Effect	Positive
78. Factor BY Effect	Negative
79. Factor BZ Effect	Positive
80. Factor CA Effect	Negative
81. Factor CB Effect	Positive
82. Factor CC Effect	Negative
83. Factor CD Effect	Positive
84. Factor CE Effect	Negative
85. Factor CF Effect	Positive
86. Factor CG Effect	Negative
87. Factor CH Effect	Positive
88. Factor CI Effect	Negative
89. Factor CJ Effect	Positive
90. Factor CK Effect	Negative
91. Factor CL Effect	Positive
92. Factor CM Effect	Negative
93. Factor CN Effect	Positive
94. Factor CO Effect	Negative
95. Factor CP Effect	Positive
96. Factor CQ Effect	Negative
97. Factor CR Effect	Positive
98. Factor CS Effect	Negative
99. Factor CT Effect	Positive
100. Factor CU Effect	Negative
101. Factor CV Effect	Positive
102. Factor CW Effect	Negative
103. Factor CX Effect	Positive
104. Factor CY Effect	Negative
105. Factor CZ Effect	Positive
106. Factor DA Effect	Negative
107. Factor DB Effect	Positive
108. Factor DC Effect	Negative
109. Factor DD Effect	Positive
110. Factor DE Effect	Negative
111. Factor DF Effect	Positive
112. Factor DG Effect	Negative
113. Factor DH Effect	Positive
114. Factor DI Effect	Negative
115. Factor DJ Effect	Positive
116. Factor DK Effect	Negative
117. Factor DL Effect	Positive
118. Factor DM Effect	Negative
119. Factor DN Effect	Positive
120. Factor DO Effect	Negative
121. Factor DP Effect	Positive
122. Factor DQ Effect	Negative
123. Factor DR Effect	Positive
124. Factor DS Effect	Negative
125. Factor DT Effect	Positive
126. Factor DU Effect	Negative
127. Factor DV Effect	Positive
128. Factor DW Effect	Negative
129. Factor DX Effect	Positive
130. Factor DY Effect	Negative
131. Factor DZ Effect	Positive
132. Factor EA Effect	Negative
133. Factor EB Effect	Positive
134. Factor EC Effect	Negative
135. Factor ED Effect	Positive
136. Factor EE Effect	Negative
137. Factor EF Effect	Positive
138. Factor EG Effect	Negative
139. Factor EH Effect	Positive
140. Factor EI Effect	Negative
141. Factor EJ Effect	Positive
142. Factor EK Effect	Negative
143. Factor EL Effect	Positive
144. Factor EM Effect	Negative
145. Factor EN Effect	Positive
146. Factor EO Effect	Negative
147. Factor EP Effect	Positive
148. Factor EQ Effect	Negative
149. Factor ER Effect	Positive
150. Factor ES Effect	Negative
151. Factor ET Effect	Positive
152. Factor EU Effect	Negative
153. Factor EV Effect	Positive
154. Factor EW Effect	Negative
155. Factor EX Effect	Positive
156. Factor EY Effect	Negative
157. Factor EZ Effect	Positive
158. Factor FA Effect	Negative
159. Factor FB Effect	Positive
160. Factor FC Effect	Negative
161. Factor FD Effect	Positive
162. Factor FE Effect	Negative
163. Factor FF Effect	Positive
164. Factor FG Effect	Negative
165. Factor FH Effect	Positive
166. Factor FI Effect	Negative
167. Factor FJ Effect	Positive
168. Factor FK Effect	Negative
169. Factor FL Effect	Positive
170. Factor FM Effect	Negative
171. Factor FN Effect	Positive
172. Factor FO Effect	Negative
173. Factor FP Effect	Positive
174. Factor FQ Effect	Negative
175. Factor FR Effect	Positive
176. Factor FS Effect	Negative
177. Factor FT Effect	Positive
178. Factor FU Effect	Negative
179. Factor FV Effect	Positive
180. Factor FW Effect	Negative
181. Factor FX Effect	Positive
182. Factor FY Effect	Negative
183. Factor FZ Effect	Positive
184. Factor GA Effect	Negative
185. Factor GB Effect	Positive
186. Factor GC Effect	Negative
187. Factor GD Effect	Positive
188. Factor GE Effect	Negative
189. Factor GF Effect	Positive
190. Factor GG Effect	Negative
191. Factor GH Effect	Positive
192. Factor GI Effect	Negative
193. Factor GJ Effect	Positive
194. Factor GK Effect	Negative
195. Factor GL Effect	Positive
196. Factor GM Effect	Negative
197. Factor GN Effect	Positive
198. Factor GO Effect	Negative
199. Factor GP Effect	Positive
200. Factor GQ Effect	Negative
201. Factor GR Effect	Positive
202. Factor GS Effect	Negative
203. Factor GT Effect	Positive
204. Factor GU Effect	Negative
205. Factor GV Effect	Positive
206. Factor GW Effect	Negative
207. Factor GX Effect	Positive
208. Factor GY Effect	Negative
209. Factor GZ Effect	Positive
210. Factor HA Effect	Negative
211. Factor HB Effect	Positive
212. Factor HC Effect	Negative
213. Factor HD Effect	Positive
214. Factor HE Effect	Negative
215. Factor HF Effect	Positive
216. Factor HG Effect	Negative
217. Factor HH Effect	Positive
218. Factor HI Effect	Negative
219. Factor HJ Effect	Positive
220. Factor HK Effect	Negative
221. Factor HL Effect	Positive
222. Factor HM Effect	Negative
223. Factor HN Effect	Positive
224. Factor HO Effect	Negative
225. Factor HP Effect	Positive
226. Factor HQ Effect	Negative
227. Factor HR Effect	Positive
228. Factor HS Effect	Negative
229. Factor HT Effect	Positive
230. Factor HU Effect	Negative
231. Factor HV Effect	Positive
232. Factor HW Effect	Negative
233. Factor HX Effect	Positive
234. Factor HY Effect	Negative
235. Factor HZ Effect	Positive
236. Factor IA Effect	Negative
237. Factor IB Effect	Positive
238. Factor IC Effect	Negative
239. Factor ID Effect	Positive
240. Factor IE Effect	Negative
241. Factor IF Effect	Positive
242. Factor IG Effect	Negative
243. Factor IH Effect	Positive
244. Factor II Effect	Negative
245. Factor IJ Effect	Positive
246. Factor IK Effect	Negative
247. Factor IL Effect	Positive
248. Factor IM Effect	Negative
249. Factor IN Effect	Positive
250. Factor IO Effect	Negative
251. Factor IP Effect	Positive
252. Factor IQ Effect	Negative
253. Factor IR Effect	Positive
254. Factor IS Effect	Negative
255. Factor IT Effect	Positive
256. Factor IU Effect	Negative
257. Factor IV Effect	Positive
258. Factor IW Effect	Negative
259. Factor IX Effect	Positive
260. Factor IY Effect	Negative
261. Factor IZ Effect	Positive
262. Factor JA Effect	Negative
263. Factor JB Effect	Positive
264. Factor JC Effect	Negative
265. Factor JD Effect	Positive
266. Factor JE Effect	Negative
267. Factor JF Effect	Positive
268. Factor JG Effect	Negative
269. Factor JH Effect	Positive
270. Factor JI Effect	Negative
271. Factor JJ Effect	Positive
272. Factor JK Effect	Negative
273. Factor JL Effect	Positive
274. Factor JM Effect	Negative
275. Factor JN Effect	Positive
276. Factor JO Effect	Negative
277. Factor JP Effect	Positive
278. Factor JQ Effect	Negative
279. Factor JR Effect	Positive
280. Factor JS Effect	Negative
281. Factor JT Effect	Positive
282. Factor JU Effect	Negative
283. Factor JV Effect	Positive
284. Factor JW Effect	Negative
285. Factor JX Effect	Positive
286. Factor JY Effect	Negative
287. Factor JZ Effect	Positive
288. Factor KA Effect	Negative
289. Factor KB Effect	Positive
290. Factor KC Effect	Negative
291. Factor KD Effect	Positive
292. Factor KE Effect	Negative
293. Factor KF Effect	Positive
294. Factor KG Effect	Negative
295. Factor KH Effect	Positive
296. Factor KI Effect	Negative
297. Factor KJ Effect	Positive
298. Factor KK Effect	Negative
299. Factor KL Effect	Positive
300. Factor KM Effect	Negative
301. Factor KN Effect	Positive
302. Factor KO Effect	Negative
303. Factor KP Effect	Positive
304. Factor KQ Effect	Negative
305. Factor KR Effect	Positive
306. Factor KS Effect	Negative
307. Factor KT Effect	Positive
308. Factor KU Effect	Negative
309. Factor KV Effect	Positive
310. Factor KW Effect	Negative
311. Factor KX Effect	Positive
312. Factor KY Effect	Negative
313. Factor KZ Effect	Positive
314. Factor LA Effect	Negative
315. Factor LB Effect	Positive
316. Factor LC Effect	Negative
317. Factor LD Effect	Positive
318. Factor LE Effect	Negative
319. Factor LF Effect	Positive
320. Factor LG Effect	Negative
321. Factor LH Effect	Positive
322. Factor LI Effect	Negative
323. Factor LJ Effect	Positive
324. Factor LK Effect	Negative
325. Factor LL Effect	Positive
326. Factor LM Effect	Negative
327. Factor LN Effect	Positive
328. Factor LO Effect	Negative
329. Factor LP Effect	Positive
330. Factor LQ Effect	Negative
331. Factor LR Effect	Positive
332. Factor LS Effect	Negative
333. Factor LT Effect	Positive
334. Factor LU Effect	Negative
335. Factor LV Effect	Positive
336. Factor LW Effect	Negative
337. Factor LX Effect	Positive
338. Factor LY Effect	Negative
339. Factor LZ Effect	Positive
340. Factor MA Effect	Negative
341. Factor MB Effect	Positive
342. Factor MC Effect	Negative
343. Factor MD Effect	Positive
344. Factor ME Effect	Negative
345. Factor MF Effect	Positive
346. Factor MG Effect	Negative
347. Factor MH Effect	Positive
348. Factor MI Effect	Negative
349. Factor MJ Effect	Positive
350. Factor MK Effect	Negative
351. Factor ML Effect	Positive
352. Factor MM Effect	Negative
353. Factor MN Effect	Positive
354. Factor MO Effect	Negative
355. Factor MP Effect	Positive
356. Factor MQ Effect	Negative
357. Factor MR Effect	Positive
358. Factor MS Effect	Negative
359. Factor MT Effect	Positive
360. Factor MU Effect	Negative
361. Factor MV Effect	Positive
362. Factor MW Effect	Negative
363. Factor MX Effect	Positive
364. Factor MY Effect	Negative
365. Factor MZ Effect	Positive
366. Factor NA Effect	Negative
367. Factor NB Effect	Positive
368. Factor NC Effect	Negative
369. Factor ND Effect	Positive
370. Factor NE Effect	Negative
371. Factor NF Effect	Positive
372. Factor NG Effect	Negative
373. Factor NH Effect	Positive
374. Factor NI Effect	Negative
375. Factor NJ Effect	Positive
376. Factor NK Effect	Negative
377. Factor NL Effect	Positive
378. Factor NM Effect	Negative
379. Factor NO Effect	Positive
380. Factor NP Effect	Negative
381. Factor NQ Effect	Positive
382. Factor NR Effect	Negative
383. Factor NS Effect	Positive
384. Factor NT Effect	Negative
385. Factor NU Effect	Positive
386. Factor NV Effect	Negative
387. Factor NW Effect	Positive
388. Factor NX Effect	Negative
389. Factor NY Effect	Positive
390. Factor NZ Effect	Negative
391. Factor OA Effect	Positive
392. Factor OB Effect	Negative
393. Factor OC Effect	Positive
394. Factor OD Effect	Negative
395. Factor OE Effect	Positive
396. Factor OF Effect	Negative
397. Factor OG Effect	Positive
398. Factor OH Effect	Negative
399. Factor OI Effect	Positive
400. Factor OJ Effect	Negative
401. Factor OK Effect	Positive
402. Factor OL Effect	Negative
403. Factor OM Effect	Positive
404. Factor ON Effect	Negative
405. Factor OO Effect	Positive
406. Factor OP Effect	Negative
407. Factor OQ Effect	Positive
408. Factor OR Effect	Negative
409. Factor OS Effect	Positive
410. Factor OT Effect	Negative
411. Factor OU Effect	Positive
412. Factor OV Effect	Negative
413. Factor OW Effect	Positive
414. Factor OX Effect	Negative
415. Factor OY Effect	Positive
416. Factor OZ Effect	Negative
417. Factor PA Effect	Positive
418. Factor PB Effect	Negative
419. Factor PC Effect	Positive
420. Factor PD Effect	Negative
421. Factor PE Effect	Positive
422. Factor PF Effect	Negative
423. Factor PG Effect	Positive
424. Factor PH Effect	Negative
425. Factor PI Effect	Positive
426. Factor PJ Effect	Negative
427. Factor PK Effect	Positive
428. Factor PL Effect	Negative
429. Factor PM Effect	Positive
430. Factor PN Effect	Negative
431. Factor PO Effect	Positive
432. Factor PP Effect	Negative
433. Factor PQ Effect	Positive
434. Factor PR Effect	Negative
435. Factor PS Effect	Positive
436. Factor PT Effect	Negative
437. Factor PU Effect	Positive
438. Factor PV Effect	Negative
439. Factor PW Effect	Positive
440. Factor PX Effect	Negative
441. Factor PY Effect	Positive
442. Factor PZ Effect	Negative
443. Factor QA Effect	Positive
444. Factor QB Effect	Negative
445. Factor QC Effect	Positive
446. Factor QD Effect	Negative
447. Factor QE Effect	Positive
448. Factor QF Effect	Negative
449. Factor QG Effect	Positive
450. Factor QH Effect	Negative
451. Factor QI Effect	Positive
452. Factor QJ Effect	Negative
453. Factor QK Effect	Positive
454. Factor QL Effect	Negative
455. Factor QM Effect	Positive
456. Factor QN Effect	Negative
457. Factor QO Effect	Positive
458. Factor QP Effect	Negative
459. Factor QQ Effect	Positive
460. Factor QR Effect	Negative
461. Factor QS Effect	Positive
462. Factor QT Effect	Negative
463. Factor QU Effect	Positive
464. Factor QV Effect	Negative
465. Factor QW Effect	Positive
466. Factor QX Effect	Negative
467. Factor QY Effect	Positive
468. Factor QZ Effect	Negative
469. Factor RA Effect	Positive
470. Factor RB Effect	Negative
471. Factor RC Effect	Positive
472. Factor RD Effect	Negative
473. Factor RE Effect	Positive
474. Factor RF Effect	Negative
475. Factor RG Effect	Positive
476. Factor RH Effect	Negative
477. Factor RI Effect	Positive
478. Factor RJ Effect	Negative
479. Factor RK Effect	Positive
480. Factor RL Effect	Negative
481. Factor RM Effect	Positive
482. Factor RN Effect	Negative
483. Factor RO Effect	Positive
484. Factor RP Effect	Negative
485. Factor RQ Effect	Positive
486. Factor RR Effect	Negative
487. Factor RS Effect	Positive
488. Factor RT Effect	Negative
489. Factor RU Effect	Positive
490. Factor RV Effect	Negative
491. Factor RW Effect	Positive
492. Factor RX Effect	Negative
493. Factor RY Effect	Positive
494. Factor RZ Effect	Negative
495. Factor SA Effect	Positive
496. Factor SB Effect	Negative
497. Factor SC Effect	Positive
498. Factor SD Effect	Negative
499. Factor SE Effect	Positive
500. Factor SF Effect	Negative
501. Factor SG Effect	Positive
502. Factor SH Effect	Negative
503. Factor SI Effect	Positive
504. Factor SJ Effect	Negative
505. Factor SK Effect	Positive
506. Factor SL Effect	Negative
507. Factor SM Effect	Positive
508. Factor SN Effect	Negative
509. Factor SO Effect	Positive
510. Factor SP Effect	Negative
511. Factor SQ Effect	Positive
512. Factor SR Effect	Negative
513. Factor SS Effect	Positive
514. Factor ST Effect	Negative
515. Factor SU Effect	Positive
516. Factor SV Effect	Negative
517. Factor SW Effect	Positive
518. Factor SX Effect	Negative
519. Factor SY Effect	Positive
520. Factor SZ Effect	Negative
521. Factor TA Effect	Positive
522. Factor TB Effect	Negative
523. Factor TC Effect	Positive
524. Factor TD Effect	Negative
525. Factor TE Effect	Positive
526. Factor TF Effect	Negative
527. Factor TG Effect	Positive
528. Factor TH Effect	Negative
529. Factor TI Effect	Positive
530. Factor TJ Effect	Negative
531. Factor TK Effect	Positive
532. Factor TL Effect	Negative
533. Factor TM Effect	Positive
534. Factor TN Effect	

# PUBLICATION PROGRAM

## 1987 CENSUS OF WHOLESALE TRADE

Publications of the 1987 Census of Wholesale Trade, containing data on wholesale trade establishments with payroll in the United States, are described below. Publications order forms for the specific reports may be obtained from any Department of Commerce district office or from Data User Services Division, Customer Services (Publications), Bureau of the Census, Washington, DC 20233. The first results were issued in press releases. Final detailed statistics are issued in separate paperbound reports.

### Final Reports

#### Geographic area series—52 reports (WC87-A-1 to -52)

A separate paperbound report is being published for each State, the District of Columbia, and the United States. Each report presents general statistics on number of establishments, sales, payroll, employment, operating expenses, and inventories for all establishments with payroll. At the State level, data also are presented separately for the following types of wholesale operation: merchant wholesalers; manufacturers' sales branches and offices; and agents, brokers, and commission merchants. Less type-of-operation detail is shown below the State level. For States, MSA's, and counties and places with 200 wholesale establishments or more, statistics are presented by kind of business. Greater kind-of-business detail is shown for larger areas. In addition, data are shown for all places with 2,500 inhabitants or more and all counties (with no kind-of-business detail). For each State, the District of Columbia, and the United States, 1982 data are provided on sales and employees per establishment, sales and payroll per employee, payroll as a percent of operating expenses, and operating expenses and end-of-year inventories as percentages of sales. Comparative statistics showing percent changes in sales and payroll between 1982 and 1987 also are shown by kind of business.

#### Subject series—4 reports (WC87-S-1 to 4)

The first report (WC87-S-1) presents data based on size of establishment, size of company or firm (firm size is based on all establishments operated by a firm within the same kind of business or kind-of-business group for which data are presented), and legal form of organization. Establishment statistics are presented by sales size and by employment size; statistics for firms, by sales size (including concentration by largest firms), by employment size, and by number of establishments operated (single units and multiunits). Statistics are presented by kind of business on the number of establishments, sales, payroll, and employment for the United States.

A report (WC87-S-2) on measures of value produced, capital expenditures, depreciable assets, and operating expenses presents data for the United States by major kinds of business. Data also are provided on sales, purchases, and beginning and ending inventories. Measures of value produced include gross margin,

value added, and net income produced at market prices and factor costs. Operating expenses include annual payroll, supplemental labor costs, purchased services, etc.

The commodity line sales report (WC87-S-3) presents data on major categories of commodities sold by wholesale kinds of business for the United States. Data for 15 selected MSA's and 15 selected States will be issued on microfiche only. Tables present data for each kind of business and show, for each commodity line, the number of establishments handling the line and their sales of the line; the percentage of total sales of the kind of business accounted for by each of the lines carried; and, for establishments actually handling a specific line, the percentage of their total sales represented by sales of that line. Summary statistics also are provided for the broad commodity line categories, including counts of establishments and the amount and percent of the line sold by various kinds of wholesale businesses.

A miscellaneous subjects report (WC87-S-4) contains data by kind of business on employment by principal activity, sales by class of customer, inventory valuation methods, commissions and gross selling value of business conducted for others by agents and brokers, and on petroleum bulk stations and terminals. Data are presented for the United States as a whole and, for petroleum bulk stations and terminals, for States and counties.

### Microfiche

Every final published report in the 1987 Census of Wholesale Trade will be available on microfiche.

### Public-Use Computer Tapes and Compact Discs

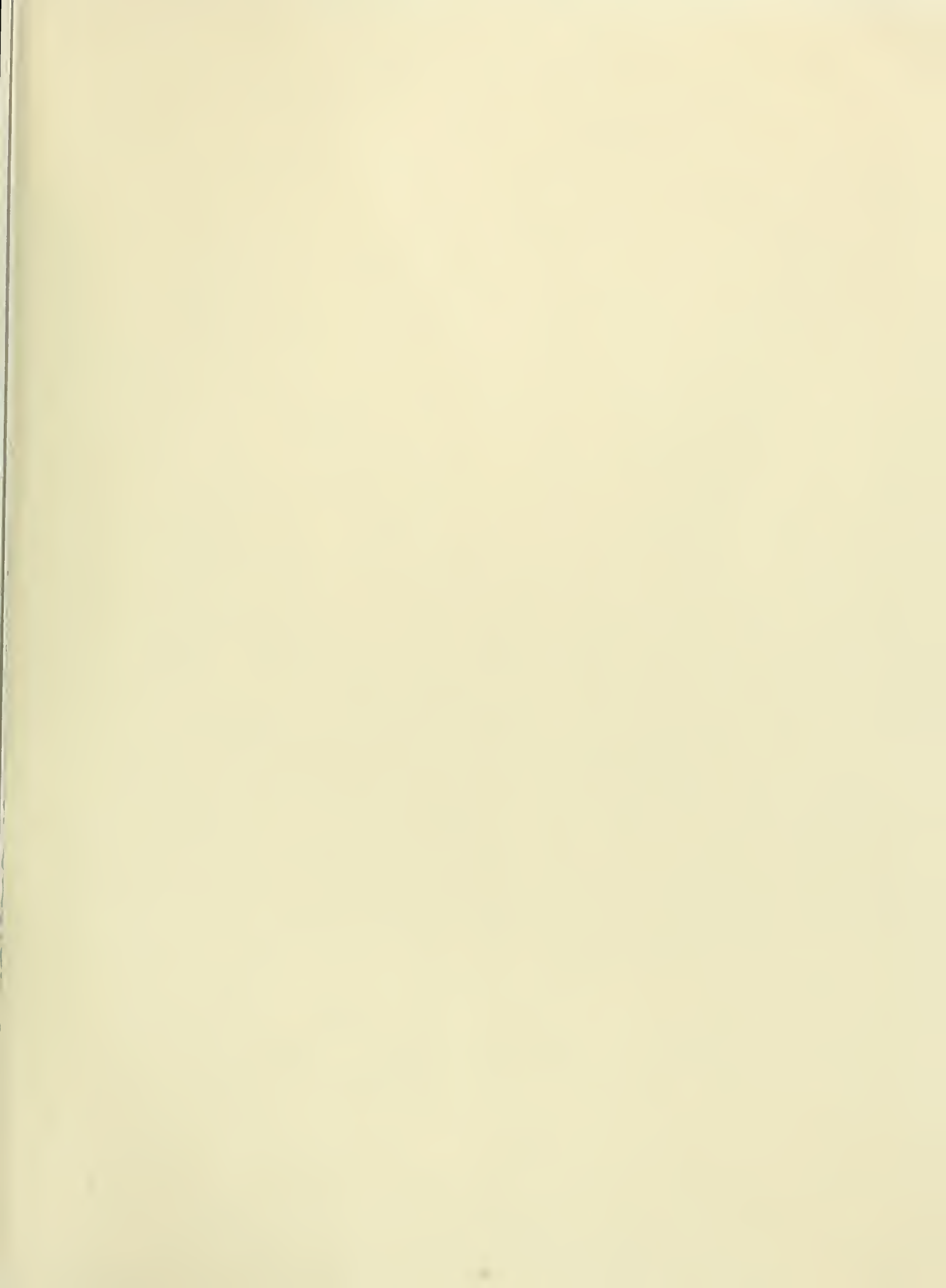
Selected data also are available on public-use computer tapes and compact discs-read only memory (CD-ROM). For the selected data, these tapes and discs will provide the same information found in the final reports as well as additional information not published in the final reports, such as commodity line sales data for States (WC87-S-3). Computerized data products are available for users who wish to summarize, rearrange, or process large amounts of data. These products, with corresponding technical documentation, are sold by Data User Services Division, Customer Services (Tapes), Bureau of the Census, Washington, DC 20233.

## OTHER ECONOMIC CENSUSES REPORTS

Data on retail trade, service industries, construction industries, manufactures, mineral industries, transportation, enterprise statistics, minority-owned business enterprises, and women-owned businesses also are available from the 1987 Economic Censuses. A separate series of reports covers the censuses of outlying areas—Puerto Rico, Virgin Islands of the United States, Guam, and the Northern Marianas. Separate announcements describing these reports are available free of charge from Data User Services Division, Customer Services (Publications), Bureau of the Census, Washington, DC 20233.



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